



Digitized by the Internet Archive
in 2014

<https://archive.org/details/b19974760M2523>



REGISTERED AS A NEWSPAPER

TELEPHONE: CENTRAL 3617
TELEGRAMS: "CHEMICUS,
CANNON, LONDON" (2 Words)
No. 2419.

PUBLISHED WEEKLY AT 42 CANNON ST., LONDON, E.C.4.

JUNE 19, 1926.

SUBSCRIPTION WITH
DIARY 20/- PER ANNUM
SINGLE COPIES 9d.
Vol. CIV.

Supplied to Chemists only

Lemonade Crystals

In 3-oz. W.M. Bottles.

Price is Right.

6/6 doz. net. Gross lots @ 6/-

**MEGGESON & CO., BERMONDSEY,
LTD., LONDON, S.E.16**

Packed in very attractive Cartons
with Showcards for Window Display.

Established over 100 years. Saline Price list on request.
"Experience does count."

OLEORESINA CAPSICI

U. S. P.

MANUFACTURED BY
MAY & BAKER LTD.
BATTERSEA, LONDON, S.W.11

Telephone: BATTERSEA 1813 (6 lines)

Telegrams: "BISMUTH, LONDON."



THE ASPIRIN WITH A PURPOSE

Aspirin^{gran}

(REGISTERED)

*"Imitation is the sincerest
form of flattery"——*

There are many imitators
but only

ONE

ASPIRGRAN

A granular form of pure ASPIRIN
unique in its ADVANTAGES.

MANUFACTURED BY
The
GRAESSER-MONSANTO
CHEMICAL WORKS
LIMITED
Ruabon N. Wales.



Cleopatra Perfume

An ideal Eastern bouquet, recalling the combined sweetness of Narcissus, Jasmin and Rose.

Miniatures. In Outers of 12. Per 5/6 dozen

Medium. „ „ 3. Per 24/- dozen

Separately cased per 2/- dozen extra. In bulk 25/- per lb.

Poudre de Riz

Retail 1/6 box.

Per 10/- dozen.

Fleur du Ciel Perfume

Reminiscent of the mellow sweetness of an English garden at dusk.

Handbag size. Outers of 6. Per 18/- dozen

Medium. „ „ 3. Per 28/- dozen

Separately cased per 2/- dozen extra. In bulk 30/- per lb.

Talcum Powder

Nickel sprinkler-topped drums.

Retail 1/-.

Per 8/- dozen

ARTHUR H. COX & CO. LTD
Manufacturing Chemists
BRIGHTON ENGLAND

JUNKET or RENNET

This season stock the " Armour "
Brand and give your customers
:: a satisfactory product. ::

Supplied in TABLET or POWDER
form in Tubes, 12 Tubes in a Box

Sells at 7½d. Tube P.A.T.A.

SHOWS 30% PROFIT

The Armour Laboratory supplies
Medicinal Preparations of all kinds

PEPSIN and other digestive enzymes.

ENDOCRINES, all the principal glands.

PEPTONE, OX GALL, ADEPS

BENZ. SUPRARENALIN, etc.

Enquiries and Price List from :

ARMOUR AND COMPANY
 **LIMITED**

QUEEN'S HOUSE, KINGSWAY,
LONDON, W.C.2.

CHATELAIN'S REMEDIES

URODONAL

JUBOL

GLOBEOL

PAGEOL

etc., etc.

The British rights of sale of Messrs.
Chatelain's preparations have been
acquired by

HEPPELLS Ltd.

16 GROSVENOR PLACE, LONDON, S.W.1

and all orders for these preparations
must be sent direct to them. Any
importations from other sources are
an infringement of their rights which
will be fully maintained.

HEPPELLS Ltd.

are immediately commencing a very large advertising
scheme to push sales, and are placing all preparations
on the P.A.T.A., and intend helping the retailers in
every possible way.



**YOUR CUSTOMERS
READ ABOUT
Roboleine**
THE FOOD THAT BUILDS THE BODY
ALL THE YEAR ROUND

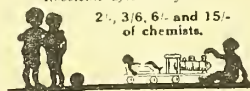


**Put
Keep him on
Roboleine**
THE FOOD THAT BUILDS THE BODY

throughout the Summer.

JUST a teaspoonful after meals will keep the little chap "as fit as a fiddle." for Roboleine is the greatest body-builder known to medical science. Made of Bone Marrow, Malt, Egg Yolk and Neutralized Lemon Juice. Roboleine makes good blood, bone and healthy tissue. It has been prescribed by doctors for 20 years.

Give them the "Magic teaspoonful" of Roboleine after every meal.

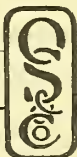


2, 3, 6, 6, and 15/-
of chemists.

One of the advertisements in our SUMMER CAMPAIGN is reproduced here in miniature. It preaches the Gospel of Fitness and suggests a teaspoonful of 'Roboleine' after meals for the children. Great is the power of suggestion! Practise it with regard to 'Roboleine.' When Autumn comes, you will have done a record Summer turnover in this product you know so well.

*Tell your customers to put
their children on 'Roboleine.'*

OPPENHEIMER, SON & COMPANY LTD
179 Queen Victoria Street, London E.C.4.



O & S

INDEX TO ADVERTISERS

Acoustic Supply Co., Ltd. (Aids for the Deaf)	xxii	Cartwright, W. B., Ltd. (Manfg. Chemists)	7	Gallado Perfumery Co., Ltd. (Toilet Preps.)	23
Almeo, José, Ltd. (Wines)	14	Castle Huskisson, Ltd. (Tablets and Pills)	viii	Gardner, W., & Sons (Glos.), Ltd. (Machinery)	42
Anglo-French Drug Co., Ltd.	xv	Christy, T., & Co. (Empire Tobacco, Py-shan Points Tea)	40-41	George, Ernest J. (Valuer, &c.) Col. Supp.	viii
Armour & Co., Ltd. (Junket, &c.) ..	2	Corrugated Packing Materials Co., Ltd. (Corrugated Paper Boxes, &c.) ..	29	Gibbins, R., & Co. (Tablets)	viii
Ashton & Parsons, Ltd. (Phosferine) ..	xxiii	Cowles, E. (Coll. Tube Machinery) ..	38	Gilbert, W. K., & Co. (Chamois Leathers, &c.)	36
Association of Manfg. Chemists, Ltd. Cover-Col. Supp.		Cox, Arthur H., & Co., Ltd. (Cleopatra Toilet Preparations)	1	Glaxo (Prescription Glaxo) Leader Page ..	
Atha, J. W., & Co. (Reflector Lamps) ..	38	Curtis, H. E., & Son, Ltd. (Kaylene, &c.)	xii	Goldberg, S. S. (Fly Band)	43
Ayrton, Graham, Ltd. (Shopfittings) ..	34	Daisy, Ltd. (Headache Cure)	xxi	Gough, Kidston & Co. (Petroleum Jelly, &c.)	26
Bailey, R., & Son, Ltd. (Pneumonia Jackets, &c.)	32	Davenport, J. T., Ltd. (Chlorodyne) ..	xix	Gower, J. (Books)	Col. Supp.
Baileys (Developing and Printing) ..	xxii	De St. Dalmas, A., & Co., Ltd. ("Dalma" Corn Silk)	32	Graesser-Monsanto Chemical Works, Ltd. (Aspirin)	Cover
Bandoeng Quinine Factories	x	De Vilbiss Co. (Sprays, &c.)	35	Grout & Co., Ltd. (Cape Binders) ..	50
Barthet, J. L. (Orange Blossom Water)	40	Dearborn (1925), Ltd. (Toilet Specialities)	25	Haller Laboratories, Ltd. (Danysz Virus)	43
Bates, F. W. (Toilet Preps.)	40	Dee Oil Co., Ltd. (Petroleum Jelly) ..	28	Haller & Phillips, Ltd. (Glycerine) ..	vii
Bath and West of England College ..	xxii	Deshell Laboratories, Ltd. (Petro-lagar)	xvii	Hampshire, F. W., & Co., Ltd. (Snowfire)	xiii
Battle, Hayward & Bower (Weed Killers, &c.)	45	Dick, W. B., & Co., Ltd. (Liquid Paraffin)	27	Harding, Holland & Fry, Ltd. (Petroleum Oils)	26
Battle, J. C. M. (Vermin Killer)	42	Dickeson, R., & Co. (Besorbon)	xii	Harkness, Beaumont & Co. (Disinfectant)	vi
Beecham, Thomas (Pills)	xiii	Dorin, Ltd. (Beauty Preps.)	22	Harley, T. (Rat Poison)	12
Benckiser, J. A. (Tartaric Acid, &c.) ..	x	Dudley & Co. (Cash Tills)	xx	Haywood, J. H., Ltd. (Surgical Appliances)	32
Bennett, Sons & Shears, Ltd. (Machinery)	39	Eastern & Russian Trading Co., Ltd. (Santonin, &c.)	Cover	Henry, T. & W. (Calcined Magnesia) ..	xviii
Berdoo & Fish (Valuers, &c.) Col. Supp.		Ellams & Co. (Labels)	40	Heppells, Ltd. (Chatelain's Preps., &c.) ..	3-19-31
Berk, F. W., & Co., Ltd. (Chemicals, &c.)	iv	Evans, Adlard & Co., Ltd. (Filter Papers)	42	Heward, R. H., Co. (Surgical Goods) ..	35
Bewells, Ltd. (Little Black Devils) ..	xiv	Evans, Gadd & Co., Ltd. (Drugs and Galenicals, &c.)	xvi	Higgolene, Ltd. ("Specifene")	xiv
Bishop, A., Ltd. (Fruit Saline)	15	Evans Sons Lescher & Webb, Ltd. (Hawley's I.K.)	13	Hind & Lund, Ltd. (Machinery)	39
Blackie, Robert ("Spun" Ointments, &c.)	xii	Fairy Dyes, Ltd. (Home Dyes)	38	Hindes, Ltd. (Hair Brushes)	24
Boake, A., Roberts & Co., Ltd. (Perfumery Chemicals) .. Leader Page ..		Farmer, F., & Co. (Rat Poison)	12	Hollandsche Melksuikerfabriek	xi
Boehm, Fredk., Ltd. (Cod Liver Oil) ..	14	Fellows' Medical Manfg. Co., Inc. (Fellows' Syrup)	xvi	Hopkin & Williams, Ltd. (Chemical Reagents)	viii
Borax Consolidated, Ltd.	vi	Ferris & Co., Ltd. (Nepenthe)	xviii	Hornor, L. A., & Sons (Drugs, &c.) ..	iii
Bow's Liniment, Dr., Ltd.	xix	Fink, F., & Co. (Gums)	40	Howards & Sons, Ltd. (Epsom Salts, &c.)	i
Brand & Co., Ltd. (Foods)	18	Flemmons, J., & Sons (English Herbs) ..	viii	Hubbuck, T., & Son, Ltd. (Oxide of Zinc)	vii
Brett & Co.	Col. Supp.	Ford, Shapland & Co., Ltd. (Printing) ..	xx	Iglodine Co., Ltd. (Iglodine)	xix
Bristol-Myers Co. (Sal Hepatica)	46	Ford, T. H., Ltd. (Surgical Dressings) ..	30	International Development Co., Ltd. (Bilina Water)	18
Bromage & Co. (Toilet Preps., &c.) ..	40	Freudentheil, Smith & Co. (Cod Liver Oil)	14	Johnson & Sons Mfg. Chts., Ltd. (Chemicals)	iii
Brown & Son (Stills)	39	Fuller, R. L., & Co., Ltd. (Quinine Salts)	iv	Josephs, Percy R. E. (Shopfittings) ..	Col. Supp.
Burkett, Sharp & Co., Ltd. (Chemicals) ..	ii			Josephs, Philip, & Sons, Ltd. (34-Col. Supp.) ..	[Continued overleaf]
Burrough, J., Ltd. (Wines) .. Leader Page ..					
Burroughs Wellcome & Co. (Cascara Sagrada)	47				
Butler, E. H., & Son (Sulphur Tablets)	vii				
Campbell, J. D. (Nicotine Insecticides)	43				
Carnrick, G. W., Co. (Endocrine Products)	xxiv				



Brands it pays to buy.

VIPER FLYCATCHERS—For customers who like a big pennyworth. Three widths—2", 3" and 4". Boxes of 3 dozen.

FLYSAC FLYCATCHERS—Dainty. Efficient. Distinctive. In boxes of 3 dozen.

COACULINE—The favourite cement with connoisseurs collectors and scientists. Bottles of three sizes.

TENASITINE—The most convenient general purpose adhesive. In collapsible tubes of 4 sizes.

DAK RATLIME—A safe and efficient rat exterminator which is proving readily available where rats are numerous. Tins retail at 2/6, 4/6, 8/6 and 14/6; and in drums, kegs and casks.

KAY'S CHESHIRE BIRDLIME—Of unvarying quality. Ready packed for resale in tins of 4 sizes and in bulk.

ORBITE TREE BANDING MATERIAL—A valuable money-maker in fruit-growing areas. In tins, pails, drums and casks.

It Pays To Be Particular

YOUR prosperity depends so entirely on the satisfaction your customers get from the goods you sell.

It pays you to insist upon brands on which you can absolutely rely for serviceability, value and saleability.

For this very practical financial reason it pays to buy Kay's.

Founded
1786.
Incorporated
1887.

You can buy KAY'S specialities from your wholesaler or from the makers.

KAY BROTHERS LTD.

Manufacturing Chemists, STOCKPORT

INDEX—cont.

Kay Bros., Ld. (Fly Catchers)	5	Phillips, Chas. H., Chemical Co. (Milk of Magnesia, &c.)	Cover	Spatula Publishing Co. (Books)	33
Kerfoot, T., & Co., Ld. (Saltex Liver Salt)	17	Pillischer, J. (Clinical Thermometers)	30	Spurway et Cie, Ld. (Poudre Yvonne) ..	23
Lautier Fils, Ld. (Ess. Oils)	22	Pindar, J. W., & Co. (Pill Machinery)	38	Sterns, Ld. (Oils, Petroleum, &c.) ..	37
Lawrence, G. H. (Razor Blades) ..	25	Potter & Clarke, Ld. (Asthma Cure) ..	45	Stevenson & Howell, Ld.	16
Leigh, R. & H., & Sons, Ld. (Carboy Stand)	39	Price, A. S., & Co., Ld. ("Leona" Brand Ointments)	xiii	Stubbs, W. B., & Son (Delivery Trucks)	39
LePersonne, L., & Co. (Bottles)	36	Provincial Exhibitions, Ld. (Manchester Exhibition)	29	Sturge, J. & E., Ld. (Precipitated Chalk)	v
Lewis, H. K., & Co., Ld. (Books) ..	xxii	Pulzer, S., & Son, Ld. (Goggles)	34	Surgical Hosiery Co., Ld.	30
Lincoln & Midland Counties Drug Co., Ld. (Clarke's Blood Mixture) ..	xviii	Ransom, W., & Son, Ld. (Extracts, Tinctures, &c.)	Cover	Tatcho-Tone Co.	40
Lofthouse & Saltmer, Ld. (Losal's Salt)	16	Rayner & Co., Ld. (Olive Oil)	29	Tennants (Lancs.), Ld. (Chemicals) ..	iii
McGlashan, D., Ld. (Abdine)	xii	Reddgrave, Butler & Co. (Russian Medicinal Paraffin, &c.)	28	Thompson, John (Wholesale Druggists 1921), Ld. (Olive Oil)	6
Mack-Ivor, J., & Co. (Licorine)	xiv	Reed, A. E., & Co. (Crude Drugs) ..	vi	Tidman & Sons, Ld. (Sea Salt)	23
Marsden, Chas. C. (Valuer, &c.) Col. Supp.	34	Rigby Battcock, Ld. (Hairbrushes) ..	24	Tilbury, W. R., & Son (Prophylactic Toothbrush)	24
Maud, F. (Showcases)	11	Rippin, A. J., Ld. (Drugs)	viii	Tomlinson & Hayward, Ld. (Eureka Weed Killer, &c.)	12
Maw, S., Son & Sons, Ld.	14	Roberts' Patent Filling Machine Co. ..	39	Toogood, Wm., Ld. (Insect Bite Stick) ..	10
Maxwell, Plaistowe & Co., Ld. (Sandalwood Oil)	20	Robinson & Sons, Ld. (Boxes)	39	Tyrer, T., & Co., Ld. (Chemicals) ..	vii
May & Baker, Ld.	Cover	Rodgers, J., & Sons, Ld. (Safety Razor Blades)	25	United Alkali Co., Ld. (Chemicals) ..	ii
Meade-King, Robinson & Co., Ld. (Petroleum Jelly, &c.)	26	Rose, J. L., Ld. (Pyrogallie Acid) ..	40	Van Der Hoeks (Bottles)	36
Meggesson & Co., Ld. (Lemonade Crystals, &c.)	Cover	Rowland, A., & Sons, Ld. (Macassar Oil)	25	Venesta, Ld. (Collapsible Tubes)	42
Melin, C., & Co. (Flasks)	33	Rudduck & Co. (Shopfittings) Col. Supp.	22	Viscose Development Co., Ld. (Bottle Cappings)	36
Merck, E. (Fine Chemicals, &c.) ..	x	Ruskin, Dawney & Co., Ld. (Mousley Powder Puffs)	22	Waide, Thos., & Sons, Ld. (Printers) ..	35
Methylating Co., Ld. (Methylated Spirit)	27	Saint Raphael Cie (Tonic Wine)	16	Wampole, H. K., & Co., Ld. (Pharm. Products)	xi
Millar, A., & Co., Ld. (Orange Wine) ..	40	Sandoz Chemical Co., Ld. (Alkaloids)	Leader Page	Warrick Bros., Ld. (Chemicals)	48
Mills, A. J., & Co., Ld. (Honey) ..	16	Saper, L. (Ess. Oils, &c.)	xix	Warrington Chem. & Drug Co.	ii
Morgan-Davis & Sons (Trusses) ..	30	Schimmel & Co. (Perfumery Products)	20	Watney, J., & Co., Ld. (Grain Spirit) ..	28
National Union of Drug & Chemical Workers)	Col. Supp.	Scruton, Oscar & Co. (Nurse Harvey's Mixture)	14	Watts, J. (Safety Razor Blade Sharpener)	25
Neave's Food, Ld. (Food)	18	Scurr, C. A. (Optical Tuition)	xxii	Westminster College of Pharmacy ..	xxii
O-Pine-O Manfg. Co., Ld. (Toilet Preps.)	40	Shadeine Co. (Hair Dyes)	40	Wheeler & Huisking, Ld. (American Drugs, &c.)	xi
Oppenheimer, Son & Co., Ld. (Roboleine)	4	Shawyer, A. J., & Co. (Developing, &c.)	xxii	Whiffen & Sons, Ld. (Fine Chemicals, &c.)	Cover
Orridge & Co. (Valuers, &c.) Col. Supp.	xx	Sherley, A. F., & Co., Ld. (Dog and Cat Medicines)	12	Whitaker & Co. (Hat Dyes, Household Dyes)	8
Owbridge, W. T., Ld. (Lung Tonic) ..	viii	Showcard Specialists, The	29	White, A., & Sons, Ld. (Chemicals) ..	vi
Parkinson's (Sugar-coated Pills) ..	40	Simond, S. D., & Co. (Tapon)	xx	Willows, Francis, Butler & Thompson, Ld. (Pollatin, &c.)	ii-xviii
Pazo Co. (Pill Boxes)	41	Simple Soother	36	Wood Bros. Glass Co., Ld. (Bottles) ..	9
Perken, Son & Co., Ld. (Clinical Thermometers)	41	Sinclair, Jas., & Son (Bottles)	36	Woolley, Jas., Sons & Co., Ld. (Galenicals, &c.)	21
Perry & Hope, Ld. (Sulphate of Magnesia)	40	Slack, A. Bernard	Col. Supp.	Woolons, C. (Developing, &c.)	40
Perry's Powders, Ld.	xii	Smith & Co. (Flycatchers)	40	X.J. Rubber Co.	30
Pharmaceutical Lanoline Co. (Lanoline)	27	Smith, Martin H., Co. (Ergoapiol) ..	xii	Youldon, F. (Bottles)	36
		Smith, T. & H., Ld. (Chemicals) ..	v	Zeal, G. H., Ld. (Clinical Thermometers)	33
		Soc. Voor Chemische Industrie (Theobromine, &c.)	xi	Zimmermann, C., & Co. (Chem.), Ld. (Dega Chemicals)	ix

SHOW STAND FREE

Jaytee's

HUILE d'OLIVE

FINEST QUALITY

GUARANTEED PURE



JAYTEE'S

PURE

OLIVE OIL

Huile d'Olive de Provence

Specially prepared for
Salads & Medicinal use

IN REPUTED $\frac{1}{4}$, $\frac{1}{2}$, AND 1 PINTS.
AND IN 1 QUART.

We can offer attractive style
in "Own Name" label.

*The showstand sent gratis
to all our Customers.
Send a post card to-day.*

John Thompson (Wholesale Druggists 1921)
Ltd. - LIVERPOOL

Phone: Royal 1434. Wires: "Drugs, L'pool."

OIL

Keeps us going full speed ahead

Ever since the last coal strike we have been equipped with the most up-to-date oil burning plant, enabling us to carry on in spite of the trouble caused by the present coal dispute. At these times there is a lot of talk about trade depression, but we must dismiss those thoughts if possible, because there is nothing more pernicious to trade than "thinking how bad things are." While you are doing this the business is running past your door. If we look round we find many concerns going at full speed, and we are pleased to number ourselves amongst them. We like to feel cheerful and optimistic, it helps one along so well. The

whole of our advertising both to you and our customers reflects a spirit of optimism and progress. Let us help you to do more business. We believe we can assist you with those quality products and service which will ultimately result in increased sales and greater profits. In quality and modern presentation, our goods are equalled by none, and this is no idle boast, but a statement of fact. Let us be of service to you; we can give you quick deliveries, and by displaying our products in their superior packs, along with exceedingly attractive showmatter, you are opening the door to more sales, and increasing the goodwill of your business.

W. B. CARTWRIGHT, LTD.

Rawdon near Leeds



WILL YOU ENTERTAIN PROFIT ?

THERE'S A GENEROUS PROFIT on every bottle of Luton Straw Hat Dyes and on every packet of Auroral Cold Water Dyes.

Auroral COLD WATER DYES

Just the thing for Summer Frocks and Dainty Lingerie.

Good trade should be done in this line now by recommending it for this purpose to your customers. Recognised as the finest cold water dyes in the world for delicate and costly fabrics. Good results obtained even at the first trial. A certain seller.

'LUTON'

HOT WATER FABRIC DYES

The best hot-water dyes for all materials, giving perfect results with the minimum of trouble. As with all other Whitaker products, they show a good profit.

Now is the "Peak" period for these two popular lines and this year there is a great demand. Will you take full advantage of it? Our Advertising is sending customers to your door. Why not help matters in our *mutual* interest by giving these Whitaker Products a good counter and Window Display?

'LUTON'

STRAW HAT DYES

The outcome of 45 years' accumulated experience in the manufacture of household dyes. This series comprises all colours and is in demand practically all the year round. They are all highly efficient dyes and appeal to every woman on economical as well as fashionable grounds. Supplied in dull or glossy series.

VELT

THE NEW CLEANER

A cleaning preparation for removing stains, grease, dirt, etc., from clothing, upholstery, curtains, etc., and renovating them. VELT is a non-inflammable liquid and is supplied in screw tins of which three dozens are contained in an attractive outer. A new Whitaker product, but nevertheless one which is already selling well. It is now available in 5-oz., 10-oz., and 20-oz. tins for the convenience of bigger users.

ALL CASES AND CONTAINERS FREE.

WHITAKER & CO. Dye Specialists for Chemists, **KENDAL**

Telegrams: "Dullette, Kendal."

(Established 1878.)

Telephone 214.

London Office
and Showrooms:

61 & 62 Craven House, KINGSWAY, W.C.2

Telephone:
Gerrard 1774.

Registered Trade



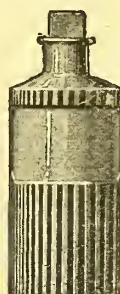
Mark, No. 26866.



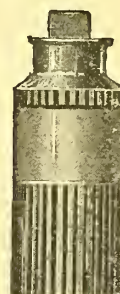
Hand-turned Shop Rounds.



Recessed Shop Rounds.



Recessed Poison Rounds.



SHOP BOTTLES

of the finest finish. Perfect Stoppering. Made in glass free from arsenic and lead; this feature is of vital importance in the case of Shop Bottles.



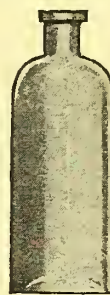
R.C. Flat.



B.C. Flat.

DISPENSING BOTTLES—

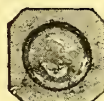
accurate in Capacity, free from arsenic and lead, and handsome in appearance. The aristocrats of bottles.



Oval.



Oval Fronted Flat.



B.C. Square.



R.C. Square.



DOUBLE-ENDED FEEDERS

The finest the world has yet seen. Made in beautiful lustrous white flint glass which is so durable that it may be boiled continuously for twenty-four hours without shewing signs of deterioration.



Oval, 2 Flat Sides.



Octagon.

Sold by all the Leading Wholesale Houses.

WOOD BROTHERS GLASS CO., LTD.
BARNSELEY, (Established 1828) **ENGLAND**

INSECT BITE STICK

Be prepared for the Mosquito Plague
which is expected this summer



MADE IN TWO SIZES

Small - - 5/- per dozen

Large - - 8/- per dozen

SUPPLIED IN SHOW CASES OF SIX

Customer's name free on 3 dozen of a size.

MANUFACTURED ONLY BY

WILLIAM TOOGOOD LTD.

77 SOUTHWARK STREET, S.E.1

Maw's



Page

"Meritor" Shaving Brushes *—profit and prosperity.*

Every male member of the population must buy a shaving brush at some time or other. In nine cases out of ten he goes to the pharmacist for his first shaving brush. If that first brush pleases—if the filling is satisfactory, if the hairs do not come out, if the handle is easy to hold, if it does not split and has no crevices to hold dirt—if, in short, it is a "Meritor" shaving brush, he goes to the pharmacist for successive brushes. Thus profits accrue, goodwill is established and prosperity assured.

The far-seeing pharmacist sells each shaving brush customer a "Meritor" shaving brush. He knows that he can rely upon the "Meritor" guarantee. He knows that, in selling a "Meritor" shaving brush, he has sold satisfaction. The brush he has just handed over the counter is of the highest quality. It is packed in a hygienic carton whose striking design is a selling force for the whole series of "Meritor" toilet brushes. It has brought him a profit of 50 per cent. on cost, and will, by sheer excellence of quality, bring a repeat order to be followed by repeat orders.

*"Meritor" Shaving Brushes are made for
Pharmacy, are packed for Pharmacy and
bring profit to Pharmacy alone. Display them
consistently and work for ultimate prosperity.*

S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.



Dips packed in your Own Name if required

HAYWARD'S SHEEP DIPS



HAYCO
REGISTERED

Approved by
Ministry of
Agriculture.

The original
Hayward's Dips
introduced 1842.

**PASTE
POWDER
FLUID**

Largest Sale *Eureka* WEED KILLER



The Chemists' Favourite
Brand. Easiest to sell.
Sales through Agents.

POWDER AND LIQUID

Please write for Terms, Lists, etc.



No connection with any other Firm.

TOMLINSON & HAYWARD, LTD.
LINCOLN

Rats! and— Rodine Profit

"My brother has used Rodine on his farm with very good results. I always like to sell Rodine as you allow such a good margin of profit."
—Mr. H. H. V. Gibson, late Chemist of Stewarton, May 1926.

"I back Rodine against all other makes as it gives to seller and user the best visible results." — Mr. Reith, Chemist, Culter.

Get Rodine on best terms. It is the attractively-advertised, price-protected, profit-giving sideline. Write the Maker now—

**T. HARLEY, Manufacturing Chemist,
PERTH, Scotland.**

TO BEAT ALL BEETLES, CRICKETS AND ROACHES sell your customer the famous RAT and MOUSE POISON.

FARMER'S "BAITED" PHOSPHOR PASTE.

No Swank!!! It really exterminates the pests mentioned.

ORDER TO-DAY from Sundry House, 4d., 7½d. & 1/3 Jars.

"RATMOUSINE," also our line in Tubes and Jars. Both for Home and Export.

Proprietors: F. FARMER & CO., 1a, College Lane, Homerton, E.9

Sherleys



LACTOL &c.

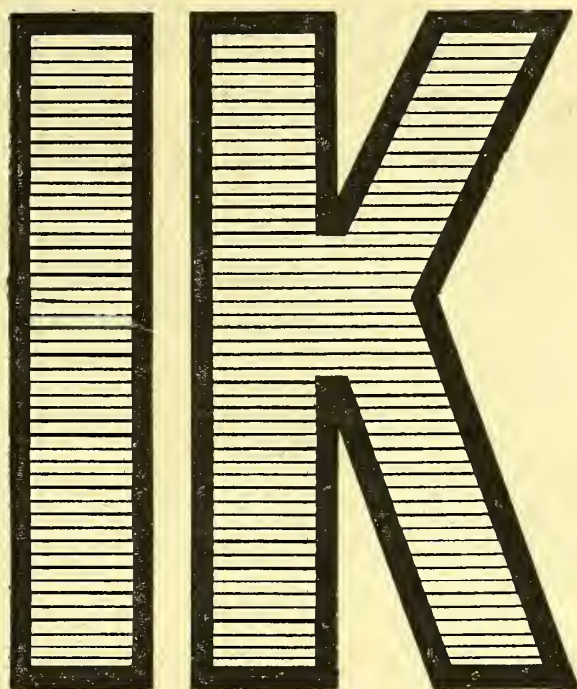
(P.A.T.A.)

of profit for the retailer, and the terms on which they are supplied precludes any possibility of loss. We have an excellent range of literature and show cards, and do all in our power to assist chemists by referring mail customers to them. WRITE FOR NEW PRICE LIST AND TERMS.

A. F. SHERLEY & CO., LTD., 18 MARSHALSEA ROAD, LONDON, S.E.1.

Tel. No.: Hop 1897.

Telegrams: "Sherleydom, London."



HAWLEY'S I.K. PAYS TO DISPLAY!

The most effective of all Insecticides, kills (to stay killed)
BEETLES, COCKROACHES, ANTS & FLIES.

Now supplied as above in SHOW OUTERS which
compel attention.

A £5 order secures a discount of 5 % and a Bonus of
13 tins to the dozen, which shows you

over 70% profit

We also give a Window Display consisting of a
GIANT DUMMY, A PYRAMID STAND and
a new and unique SHOWCARD.

The word 'Evans' is written in a large, elegant, cursive script. The letters are thick and black, with a prominent flourish under the 's'.

EVANS SONS LESCHER & WEBB, LTD.

LIVERPOOL

New York

LONDON

Season—1926



COD LIVER OIL

GUARANTEED GENUINE. FINEST PURE LOFOTEN.

Manufacturers :

BRÖDR. AARSÆTHER A/S, Aalesund, Norway.

LARGEST MANUFACTURERS OF COD LIVER OIL IN NORWAY.

Stocks always held in London:

In 25-gallon tin-lined barrels.

SOLE AGENTS FOR U.K.: FREUDENTHEIL, SMITH & CO.

21 Mincing Lane, LONDON, E.C.3.

Tel. Add.: "FREUDENRUF."

Codes used: A B C, 4th and 5th Edit.; and Private.

Tel.: ROYAL 6600.

1926

MARTEN'S

1927

COD LIVER OIL

FINEST NORWEGIAN MEDICINAL QUALITY, B.P.

STEAM-REFINED. NON-CONGEALING. BRILLIANT. GOOD TASTE. EXCELLENT APPEARANCE. Also VETERINARY QUALITY.

Sole Consignees in the United Kingdom:

FRED^K BOEHM, LIMITED

17 JEWRY STREET, LONDON, E.C.3.

140 WEST GEORGE STREET, GLASGOW

Royal 3445.

Stocks kept in London, Hull, Liverpool, Glasgow

MAJAX

The ideal milk sugar for babies. We are having direct orders from all parts of the country. Why not participate in this business?

For terms write to Proprietors

MAWSON & PROCTOR, LTD.
NEWCASTLE-ON-TYNE.

NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessities from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK

José
Almego Ltd.
WINE SHIPPERS,
Rua Elias Garcia 79,
Villa Nova De
Gaia,
OPORTO.

**DIRECT FROM
THE GROWERS**

For particulars of Agency, Samples and Prices apply to:—

London
Office:

St. Mary's Chambers, 161a & 166, Strand, W.C.2.

TELEPHONE: CENTRAL 6511.

To Chemists with Wine Licence only.

We are prepared to grant Agencies to licence holders for our celebrated Ports in districts not already represented.

Almego's Invalid Port, White Knight Ruby Port,
White Knight White Port,
The Marquis Port, Grand Duchess Port.

GOOD ADVERTISING MATTER.

TELEGRAMS: "ALMEGOLIMI, ESTRAND, LONDON."



Dear Sir(s),

June 18th, 1926.

We have much pleasure in bringing to your notice a popular size of the well-known BISHOP'S NATURAL FRUIT SALINE to be retailed at $1\frac{1}{3}$ P.A.T.A., which we have recently introduced in response to numerous requests from our customers.

We are now offering as a small trial order for stocking and counter-show purposes, 2 small and 1 large BISHOP'S NATURAL FRUIT SALINE, mounted in an effective showcard as per attached illustration, at a cost of $2\frac{1}{6}$ net, post free.

The prices of BISHOP'S NATURAL FRUIT SALINE are as follows :—

Small size, $1\frac{1}{3}$ P.A.T.A.	10/- per doz. subject.
Large ,, $2\frac{1}{3}$,,	19/- ,, ,,

On orders of 6 dozen assorted we give 6 bottles as a bonus in consideration of a window or counter display, and, in addition, the above-mentioned complete showcard FREE, carriage paid and in free case.

On £3 orders - 5% Discount is allowed.

On £5 ,, - 10% ,, ,,

Orders can be made up with any other of our lines not marked net.

Trusting to receive the favour of your orders for the above,

We are, dear sirs,

Yours faithfully,

ALFRED BISHOP, LIMITED.

JUST PUBLISHED

AERATED BEVERAGES CORDIALS, &c.

(Seventh Edition)

ENTIRELY REVISED AND MUCH ENLARGED

 Price 10/6, post free.

Obtainable only on direct application to the Authors and Publishers:

STEVENSON & HOWELL Ltd.

STANDARD WORKS

SOUTHWARK STREET - - S.E.1

NOTE.—The issue of this work is confined to bona fide members of the Aerated Water and Allied Trades, and it is not available to the general public.



Saint-Raphael

**Tonic, Restorative,
Digestive Wine.**

Known throughout the World,
and prescribed in all cases of
**ANÆMIA, DEBILITY, and CON-
VALESCENCE, to Young Women,
Children and the Aged.**

DOSE : One wine-glass after the
two principal meals.

Recommended by—
PROF. BOUCHARDAT, Professor of
Hygiene, Paris Faculty of Medicine.
DR. MACNAUGHTON JONES, London,
England.

"For more than thirty years St. Raphaël Wine has been exclusively prescribed, with success, in the Paris hospitals as a pure tonic, by eminent physicians, such as Magendie, Ros'on Chomel, Velpeau, Requin, Monneret, Trousseau, Grisolle, Laënnec, &c."—*Union Médicale*, May 8 and June 12, 1873.

"The 'Vin de St. Raphaël' is often used for ladies nursing their own children; it is preferable to stout, which creates an unhealthy fat."—*The Lancet*, London, England.

"St. Raphaël Wine is most precious in all cases where it is necessary to give tone to the system, without effort or shock."—DR. C. DES BARRES.

Cie du VIN SAINT RAPHAEL, Valence, Drome, FRANCE

**To be obtained from all
Wholesale Druggists.**

LOSALL'S SALT

SELLS FREELY AND READILY.

PAYS 50% ON OUTLAY.

An infallible remedy for

**Gout
Rheumatism
Eczema & Skin
Affections**

P.A.T.A. doz.
net

4 oz. tins 1/-, 8/-

8 oz. „ 1/9, 14/-

Bottles 2/6, 20/-

Attractive advertising
matter supplied on
application.

SOLD EVERYWHERE.

Manufactured by

**LOFTHOUSE & SALTMER, Ltd.
HULL.**



UP, UP, UP, go the SALES of

NEW ZEALAND 'Imperial Bee' Honey

STOCK, and get your share of profits in this
EMPIRE PRODUCT. It is a thick,
creamy, irresistible HONEY, rich in vitamins
because it is uncooked.

GUARANTEED PURE and WITHOUT PRESERVATIVES.

CASES per doz. carriage paid.

48/1's Glass Screw-Top Jars at 14/0 | 48/1's Monopots at 12/6
48/1's „ „ „ „ 8/6 | 48/1's „ „ 7/3

If you cannot obtain supplies through your Wholesaler, write to

A. J. Mills & Co., Ltd., 14 Tooley St., S.E.1

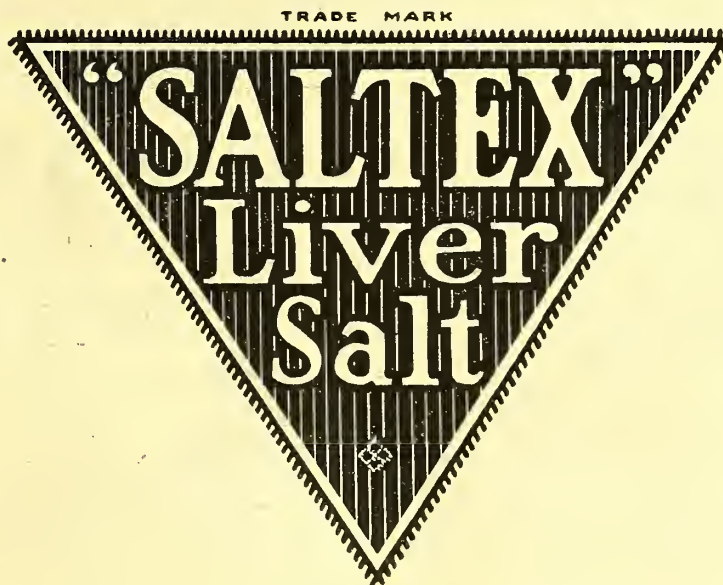


THE LIVER SALT

for the Pharmacist

IT pays the Pharmacist to display and recommend "Saltex" because it is a distinctively pharmaceutical product, both as regards quality and sales policy. It is not obtainable from grocers or miscellaneous dealers, so that every effort made on its behalf builds up goodwill for the pharmacy and only for the pharmacy.

Special Bonus for Window Display. Write for particulars of the Window Display terms which make "Saltex" an exceptionally attractive proposition. A striking show-card of original design is supplied with all orders.



Kerfoot Quality is Chemists' Quality

THOMAS KERFOOT & CO LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

B.399

COPYRIGHT



"HEALTH DIET,"
for Invalids and
the Aged.



"MILFO,"
a Milk Food for
Babies from Birth.

100 YEARS OF SUCCESSFUL SALES

For over 100 years NEAVE'S FOODS have numbered among the most consistently successful selling lines of the Chemist.

Unlike a number of similar products, NEAVE'S FOOD has always been a "Chemists' line," and thousands of Chemists throughout the country are stocking and selling it to-day as successfully as of old.

Many eminent doctors endorse it and mothers by the thousand recommend it.

NEAVE'S FOOD is extensively advertised on national lines in the principal Daily and Weekly newspapers, also in Ladies' Journals.

Fixed Prices—Fixed Profits showing a minimum of 25%.

If you are not stocking, get a supply from your Wholesaler.

Neave's Foods

A supply of Showcards and other advertising literature, including a number of children's toys for free distribution, sent gratis on application.

Manufactured solely by

NEAVE'S FOOD, LTD., Fordingbridge, via Salisbury.



NEAVE'S FOOD
for Infants.



BRAND'S ESSENCE

of Beef, Mutton or Chicken consists solely of the juice of the finest meats, prepared with the greatest care under the most hygienic conditions.

Essential in the Sick Room.

So'd by all Chemists and Stores.

BRAND & CO., LTD.

Mayfair Works, Vauxhall, LONDON, S.W.8.

BILINA NATURAL SPRING WATER



Naturally Slightly Effervescent.

From the famous Spring
in Czechoslovakia.

Its Alkalinity (300 grs. Alkaline Salts per gall.) and its slightly Aperient action render it particularly suitable in cases of constipation, and for all stomach and digestive troubles, also Rheumatism and Gout. It has a markedly beneficial effect in ailments of the Respiratory Organs such as Catarrh of the Throat, Lungs, Bronchial Tubes. Pleasant to drink and mixes well with Milk, Fruit Juices, Spirits, &c.

Retail: 18/- doz. large. 13/- doz. small.

For particulars and trade terms write to the

SOLE AGENTS & IMPORTERS:

**INTERNATIONAL DEVELOPMENT
CO., LTD.**

4 Trafalgar Square, London, W.C.2

LAMPLOUGH'S PYRETIC SALINE

**A Special Offer to Chemists
of the 1/6 size**

We are advertising this size very largely, and in order to popularise it we will give a **BONUS OF TWO BOTTLES FREE** to every Chemist who will order 6 bottles. The cost to him will therefore be

6/9 for 8 bottles of 1/6 Lamplough's Saline.

We can only offer this for the next four weeks. **£20,000** is being spent on advertising this line.

ORDER NOW

WHOLESALE FROM

BUTLER & CRISPE

82 Clerkenwell Road - London, E.C.1

AND FROM

HEPPELLS LIMITED

16 Grosvenor Place - London, S.W.1

Schimmel & Co.

MILTITZ, near LEIPZIG.

Manufacturers of

ESSENTIAL OILS, ESSENCES & AROMATIC CHEMICALS

Speciality :
FIXORESIN

*A fixing Agent for
Soap Perfumes and Extrait.*

In Various Aromas.

SAMPLES ON APPLICATION.

PEPPERMINT OIL, B.P.
SAVIN OIL
PINE OIL
SAFROL
BENZALDEHYDE, F.F.C.
FLORAL OILS
ESSENCES FOR LIQUEURS
FRUIT ESSENCES, etc.

SOLE AGENTS FOR THE U.K.

FREDK. BOEHM LTD., 17 Jewry St., LONDON, E.C.3

'PLAIMAR'

SANDALWOOD OIL

Distilled by Plaimar, Ltd., Perth, West Australia, from West Australian Sandalwood.

Fragrant, pure and dependable.
Always up to its guarantee.

The European Agency for the Fine Products of PLAIMAR, Ltd., has been transferred to the City, and for samples and all information please write:

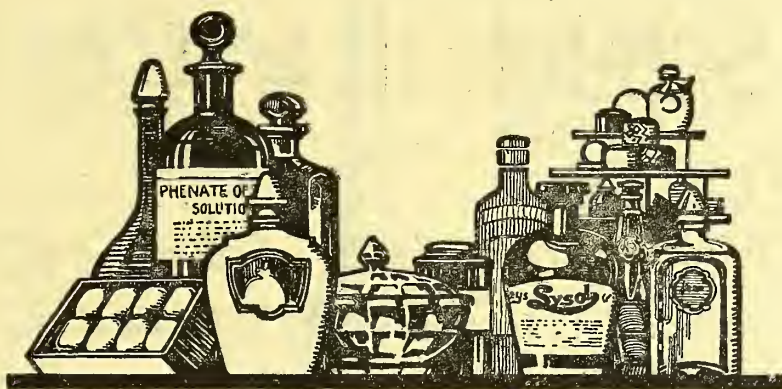
MAXWELL, PLAISTOWE & CO., LTD.

8 OLD JEWRY, LONDON, E.C.2

Telegrams and Cables Azucena, London.

Codes .. A B C, 5th & 6th Editions & Bentley's.

Telephone Central 5859.



The Product you sell makes or mars Goodwill

Goodwill may be said to represent the amount of satisfaction given to a customer.

In a way intangible it is yet a valuable asset and can be made—and more easily marred—by the quality of the goods you sell.

Every sale you make is a critical transaction upon which you are judged—satisfied customers return again.

It behoves you therefore to maintain a reputation for quality—that is how businesses are built up.

There is a comfortable sense of reliability in dealing with the House of Woolley. Whatever your requirements may be—Galenicals, Drugs, Sundries—the thousand and one requirements of present-day pharmacy—you can depend upon that standard of excellence with which their name has always been associated.

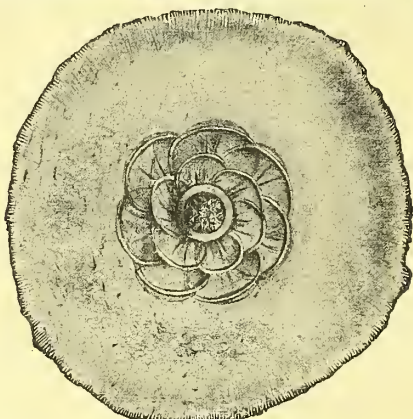
Quality and Service essentially occupy first place.

Woolley's are always dependable.

JAMES WOOLLEY SONS & CO. LTD.
VICTORIA BRIDGE, MANCHESTER

The World Famous MOUSLEY POWDER PUFFS

The powder puffs with the largest sale in the world. Write for particulars of complete range and trade terms.



All the new Mousley products are treated by means of the Ultra Violet Ray so that not only are they purified as hitherto but by this secret process actually get the health-giving properties of the Ultra Violet Ray.

MOUSLEY'S 'SUN-RAY' SERIES

Treated with the ULTRA-VIOLET RAY.

- 'SUN-RAY' BEAVERPUFF.
- 'SUN-RAY' POWDER.
- 'SUN-RAY' FACE-CREAM.
- 'SUN-RAY' DOWN PUFFS.

VISIT OUR SHOWROOMS
at 38 OLD BOND STREET, W.1.

FRANK MOUSLEY

Manufacturer of the 'Beaverpuff,' Lambpuff, etc.

Sole Distributors:

Ruskin Dawney & Company, Ltd.
of 38 Old Bond Street, London, W.1.

Established 1795.

LAUTIER FILS

Works : GRASSE (France) & BEYRUT (Syria).

Essential Oils ——— Synthetics.
All Raw Materials for Perfumery.

Absinth	Laurel
Almond, bitter,	Lavender
Angelica [S.A.P.]	Lemon
Basil	Mace
Bay	Melissa
Bergamot	Neroli big and Syn.
Bois de Rose femelle	Orange
Cajuput	Otto de Rose
Caraway	Patchouli
Cinnamon	Peppermint
Cloves	Rosemary
Copalba	Rue
Costus	Sandalwood
Cubeb	Spike Lavender
Fennel	Tansy
Geranium	Tarragon
Honey	Thyme
Hyssop	Vetiver

Olive, Peach Kernel, Sweet Almond Oils
Floral Waters.

Wholesale and Export only.

LAUTIER FILS, Ltd., 4 Denman St., London Bdg., S.E.1
Tel. Add.: "LAUTIER, PHONE, LONDON." Telephone: Hop 2819.

Dorin of PARIS
Aids to Beauty

ADVERTISES EXTENSIVELY

In Daily and Weekly papers, in Magazines, by Posters in the London Tubes, by Showcards, and by Artistic Folders, their well-known preparations

ROUGE BRUNETTE	UN AIR DE PARIS
DORINA POWDER	CREME ECLALYS
NIRODA POWDER	NACRADORINE

ORDER YOUR STOCK

FROM
DORIN LTD., 41 Charterhouse Square, LONDON, E.C.1

GALJADO HAIR COLOUR RESTORER

For Grey or Faded Hair.

A preparation which sells on its merits. Non-injurious.

In two sizes:

Retail: 2/- and 3/6 per bottle.

Trade: 12/- and 22/- per dozen.

TRIAL DOZEN SENT POST FREE.

Cash with order.

Note the Profit.

Of all Wholesalers or direct.

THE GALJADO PERFUMERY CO. Ltd.
93 Worship Street, London, E.C.2.



TRADE MARK



A Face Powder which shows a rapidly increasing demand without the stimulus of a public advertising campaign must possess intrinsic merits which speak for themselves.

POUDRE YVONNE

(pronounced .EE-VON) (Regd.)

is a high-grade face powder retailing at a moderate price and is enthusiastically recommended by most of the leading members of the theatrical profession:—

SYBIL THORNDIKE, L.L.D.
LILIAN BRAITHWAITE.
MARGARET BANNERMAN.
MARY GLYNNE.
KYRLE BELLEW.
HILDA BAYLEY.
FAY COMPTON.
MADGE TITHERADGE.
PEGGY O'NEIL.
BETTY CHESTER.
YVONNE ARNAUD.
LYDIA LOPOKOVA, Etc. Etc.

Handsome show-cards bearing five photographic reproductions from above list sent with orders of £2.

Retail 1/6 and 2/3 per box.

Sample Size 7½d.

OUR SPECIAL BONUS TERMS
SHOW A PROFIT OF 40% AND
OVER ON THE SELLING PRICE

SPURWAY ET CIE, LTD.

89 Great Eastern Street,
LONDON :: :: E.C.2.

CANNES-GRASSE, RIVIERA.
PARIS.

LEIPSIC NEW YORK
KINGSTON (ONTARIO)

Telegrams - "NEROLI, LONDON."
Telephone - BISHOPSGATE 1372.

TIDMAN'S SEA SALT

in the
new 4^d packet

*Put up in 2-dozen
cartons for easy
handling*

A new 4d. size has just been added to the well-known range of Tidman's Sea Salt packets.

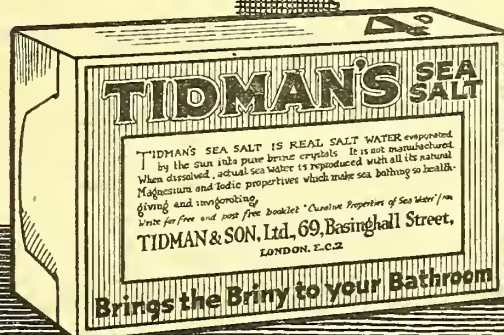
Your Wholesale Distributing house holds stocks at 3/- per doz. packets subject to the usual extra discount of 5% on orders of 20/- and upwards, assorted sizes.

Easy handling is a feature that will appeal to all Chemists stocking the new 4d. packet. You receive them in neat 2 doz. cartons. Easy to store, easy to sell.

All Tidman's Sea Salt prices are protected by the P.A.T.A., and the advertising in the Daily Press is being steadily maintained.

TIDMAN & SONS, Ltd.
69 Basinghall Street,
LONDON - - E.C.2

PRICE
PROTECTED
BY
P. A. T. A.



The World's Best Hairbrush

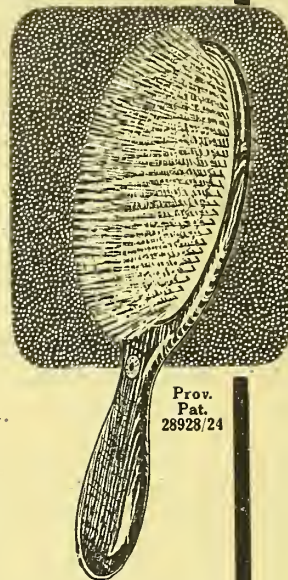
means quicker sales and bigger profits for you

Why? Because it has more selling points than any other brush in the world. Because it meets to a greater degree than all others the modern woman's need for deep, penetrating hairbrushing plus **absolute cleanliness**.

Consider for a moment the strength and toughness of the bristles and the resiliency of the rubber pad in which they are set. Is there any other brush more capable of getting right down to the roots of the hair than the "Klenly" Brush? Consider also the tempting beauty of the various colours and designs.

And this is not all. Both the bristles and the pneumatic pad are **white**. Because of this the brush is always kept clean; its whiteness instantly betrays any dirt or dust that may come from the hair. The air vent, too, is placed in such a position that it's the easiest thing in the world to clean the brush.

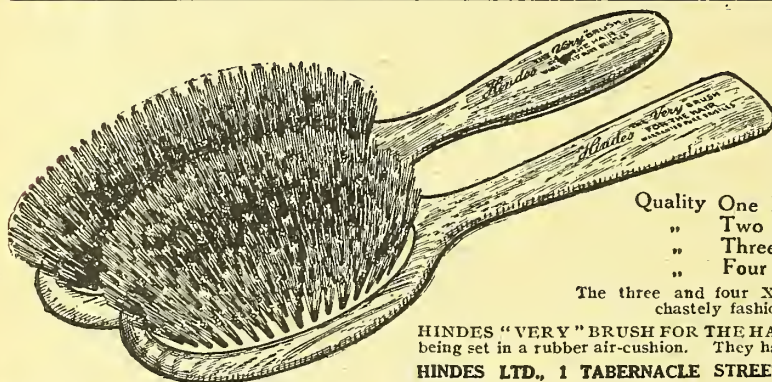
These then are the reasons why **you** should stock the "Klenly" Hairbrush—why you should take **your** share of the extra-generous margin of profit that we as the **actual manufacturers** can afford to allow you.



RIGBY'S Klenly HAIR BRUSH

RIGBY, BATCOCK, LTD., 28 MUSEUM STREET, LONDON, W.C.2.
Protected in U.S.A., CANADA and FRANCE.

Write at once for special folder giving full details and prices of the various designs and see for yourself what attractive opportunities the "Klenly" Brush affords for profitable business.



HINDES "VERY" HAIR BRUSH

Quality	One X	Sold at 7/6d. each.	TRADE PRICE 33 1/3%
"	Two XX	" 10/6d. "	
"	Three XXX	" 15/- "	
"	Four XXXX	" 18/6d. "	

The three and four XXXX grade is made in Ebony or Rosewood chastely fashioned in both oval and circular bodies.

HINDES "VERY" BRUSH FOR THE HAIR is guaranteed pure bristles, the multiple tufts being set in a rubber air-cushion. They have been known to the trade for nearly 40 years.

HINDES LTD., 1 TABERNACLE STREET, LONDON, E.C. :: Works: BIRMINGHAM

TILBURY'S "FORT" Prophylactic TOOTH BRUSH

"IDEAL" DENTAL PLATE BRUSH

Very
stiff
Bristle.



in Carton.

in the "ORANGE BOX."

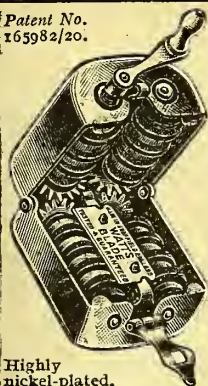
On orders of 1 gross customer's Name and Address printed free of charge on Carton.

Established
1880.

W. R. TILBURY & SON, Hackney, London, E.9

Clissold
1794.

Patent No.
165982/20.



A REMARKABLE
BRITISH INVENTION.
THE
"SPIRO"
SAFETY RAZOR BLADE
SHARPENER.

Every user of the "Watts" Safety Razor
Blades is a potential purchaser.

STRONG AND SIMPLE.
No troublesome fixing. Drop blade on
two pegs, close box, turn handle and get
a super-keen blade in a moment.

Retails at 21/- each.

Allowing 50% profit on cost for the dealer.

Sole Manufacturer:
JOHN WATTS, Lambert Works, SHEFFIELD.
London Office and Showroom:
24, Redcross Street, E.C.1.

Highly
nickel-plated.

"LAUREL"
SAFETY RAZOR BLADES.

ALSO
AUTO-
STROP
TYPE



TRADE
WITHIN
THE
EMPIRE

Retails at a less price than any on the Market.
Satisfaction Guaranteed. Send for free samples.

Manufactured by

GEO. H. LAWRENCE, 32 EYRE STREET,
SHEFFIELD.

Phone: 1071 Cent.

Telegrams: "Laurel Sheffield."

ROWLAND'S
MACASSAR OIL

A line it pays to stock.

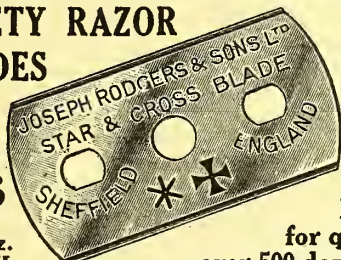
P.A.T.A. 3/6, 7/-, 10/6.

THROUGH ALL WHOLESALEERS.

A. Rowland & Sons, Ltd.

112 GUILFORD STREET, LONDON, W.C.1.

STAR AND CROSS
SAFETY RAZOR
BLADES



3/6

Per Doz.
RETAIL

Joseph Rodgers & Sons, Ltd., Sheffield, Eng.

Trade
price
less

33 1/3 %
discount

Special
Discount

for quantities
over 500 doz. packets

DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Toilet Specialties.

	Price per doz. to Retailer	Selling Price P.A.T.A.
PILENTA SOAP ..	10/-	1/-
A complexion soap.		
PROLACTUM ..	10/-	1/-
For the lips.		
PARSIDIUM JELLY ..	10/-	1/-
For wrinkles.		
ALLACITE OF ORANGE BLOSSOM ..	22/6	2/6
A dressing cream.		
BORANIUM ..	22/6	2/6
A hair tonic.		
CLEMINITE ..	22/6	2/6
For a face lotion.		
COLLIANDUM ..	22/6	2/6
For a face tint.		
PERGOL ..	22/6	2/6
A deodorant.		
TEKKO PASTE ..	22/6	2/6
Camphor cream.		
STALLAX ..	13/6	1/6
For a shampoo.	22/6	2/6
JETTALINE ..	31/6	3/6
For clearing the skin.		
PHEMINOL ..	36/-	4/-
A depilatory.		
MENNALINE ..	36/-	4/-
For the eyelashes.		
MERCOLIZED WAX ..	18/-	2/-
A face cream.	31/6	3/6
STYMOL ..	36/-	4/-
For oily complexions and blackheads.		
SILMERINE ..	22/6	2/6
Hair-curling fluid.		
BARSYDE ..	22/6	2/6
Dandruff eradicant.		
TAMMALITE ..	22/6	2/6
For grey and faded hair.		
LIQUID PERGOL ..	31/6	3/6
To check excessive perspiration locally.		
BICROLIUM ..	22/6	2/6
For whitening the hands.		
COCONOIDS ..	31/6	3/6
For figure development.		

The Products of

Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES ..	36/-	4/-
For obesity.	58/6	6/6
SOFT PALERIUM ..	45/-	5/-
For wrinkles.		
LIQUID NAIL POLISH ..	10/-	1/-
Brilliant and lasting.		

Stocked by ALL Wholesale Houses.

COLONIAL DEPOTS AND AGENCIES.

Australia: ALL WHOLESALEERS, & DEARBORN (Australia),
Ltd., Grace House, Clarence Street, Sydney.
South Africa: LENNON, Ltd., Cape Town, etc.
SIVE BROS. & KARNOVSKY, Johannesburg.
India: FRAMJEE & SON, Bombay.
A. L. CHOUDRY, Calcutta.
New Zealand: SHARLAND & CO., Auckland and Wellington.
South America: DEARBORN (South America) Ltd., Calle
Payon 2100, Buenos Aires.
Straits Settlements & Federated Malay States: MEDICAL
HALL, Ltd., Singapore.

Petroleum Jelly

White, Yellow, Amber,
& Ruby Red, for all
Pharmaceutical and
Veterinary purposes

MEADE-KING, ROBINSON & CO., LTD.

Liverpool - London - Manchester - Birmingham - Leeds

PARAFFINIUM LIQUIDUM B.P.

HALF-WHITE OILS,
TRANSFORMER OILS

TECHNICAL WHITE OILS

PETROLEUM JELLIES SNOW WHITE BP AND NATURAL WHITE BP

Pure Russian White Oils

HARDING, HOLLAND & FRY, LTD.
52 QUEEN VICTORIA STREET, LONDON, E.C.4.

Telegrams: "Seedtime, Cannon, London."

Telephone: City 590 (2 lines).

PETROLEUM JELLY

Best qualities Yellow and White B.P., Red Veterinary and Green.

GOUGH, KIDSTON & CO.

43/45 Gt. Tower Street, London, E.C. 3

Tel. No.: Royal 2666 & 2667.
Tel. Add.: Kidstonism.

Also GUM ARABIC and TRAGACANTH
BEESWAX and JAPAN WAX.

Works: Bermondsey.
Tel. No.: Hop. 2029.

Telephone—VICTORIA 7533 (4 lines).

Telegrams—"Dicotto, Sowest, London."

W. B. DICK & CO., LTD.
26 Grosvenor Gardens, London, S.W.1
Works : LONDON, LIVERPOOL, GLASGOW

PARAFFINUM LIQUIDUM B.P.

S.G. 890/5. Guaranteed to remain bright at 0°C.

White and Half White Oils
B.P. White and Yellow Petroleum Jellies

QUOTATIONS & SAMPLES will be sent on application.

THE METHYLATING Co., LTD.
for METHYLATED SPIRIT.

KINNAIRD HOUSE, Pall Mall East, LONDON, S.W.1.

Telephone: Regent 5621.

Telegraphic Address: "Methcolim, Phone, London."

ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE PRODUCED
IS MANUFACTURED BY

THE PHARMACEUTICAL LANOLINE CO.
Carnwath Road, Fulham, London, S.W.6.

Telephone: Putney 42.

WHO INVITE ENQUIRIES. Telegrams: "Batapo, Walgreen, London."

An absolutely pure spirit!

WATNEY'S GRAIN SPIRIT DOUBLY RECTIFIED

for

**MANUFACTURING CHEMISTS
& DRUGGISTS, PERFUMERS, Etc.**

This high-grade spirit is odour-free and can be used medicinally. It exceeds all B.P. requirements, and has withstood the most stringent tests known to the pharmacist.

JOHN WATNEY & Co. Ltd.

THE DISTILLERY, YORK ROAD, WANDSWORTH, S.W.18.

ESTABLISHED NEARLY A CENTURY.

PETROLEUM JELLY
("SALVO PETROLIA")
BRAND

THE PERFECTION OF PETROLEUM JELLY
MANUFACTURED SOLELY BY

THE DEE OIL CO. LD.

D 23 & 24 EXCHANGE BUILDINGS
LIVERPOOL

TELEPHONE -
CENTRAL 3859

TELEGRAMS -
"CESTRIAN"

LONDON OFFICE
49 LIME ST. EC3. PHONE AVENUE 2885

**PACKED IN BARRELS, KEGS OR
SMALLER PACKAGES IF DESIRED.**

OTHER GRADES OF
PETROLEUM JELLIES, WHITE BASES ETC.
WHITE OILS B.P. & Technical Qualities
SAMPLES & PRICES ON APPLICATION

OLEUM DEELINÆ (DEE OIL)
THE UNFAILING CURE FOR ECZEMA

Russian Medicinal Paraffin

BULK AND PACKED.

PHARMACEUTICAL CHEMICALS

**REDDGRAVE BUTLER & CO.
LIMITED,**

Forest Lane, STRATFORD, E.15

The only Chemists' Exhibition in England this year

THIRD MANCHESTER CHEMISTS' EXHIBITION

(OPEN TO THE TRADE ONLY)

CITY HALL, DEANS GATE—13th to 17th SEPTEMBER, 1926

All Applications for Space to:—PROVINCIAL EXHIBITIONS LTD.

Telephone: 3832 and 3833 CITY
Telegrams: "EXHIBITION, MANCHESTER." CITY HALL, DEANS GATE, MANCHESTER.

Efficient Display
NEW
"STAND-SHOWCARD"

NO STRUT NO GLUE
Pat. 257/21

Cut in one piece.
Self-fixing.
Pack flat.

YOUR CARDS WILL
BE USED—YOUR
GOODS DISPLAYED.

OVER 1,000,000 USED BY
LEADING MANUFACTURERS.

Phone.
Clerkenwell 4283.
The SHOWCARD SPECIALISTS
115 OLD STREET, LONDON, E.C.1.

Patentees
& Makers

Send for Particulars



**NECTAR
CREAM**
(Regd. Brand)
**OLIVE
OIL**



The BEST the World Produces

To those who appreciate QUALITY,
Nectar Cream appeals irresistibly, as
hundreds of regular users can testify.
Chemists NEED the BEST.

Write for samples and prices of bottles, cans, and casks, to Sole Importers

RAYNER & CO., LTD.
NORTH ROAD - LONDON, N.7

CORRUGATED PAPER BOXES AND PACKINGS FOR ALL PURPOSES.

Corrugated Paper in Rolls, Boxes, Pieces, Partitions, Cartons, Bottle Wrappers. Tinted.
Waterproof Papers, Gummed Papers, Tapes, &c. Toilet Rolls.

Enquiries
Solicited.

CORRUGATED PACKING MATERIALS CO., Ltd.
AMBROSE STREET MILL, WEST GORTON, MANCHESTER.

Phone: Openshaw 401.
Grams: "Corrugaper, Manchester."

FOR PERFECT SUPPORT & DURABILITY
"SURCO" ELASTIC HOSIERY.

BELTS, TRUSSES, SUSPENSORIES, SUNDRIES.

2

SURGICAL HOSIERY CO., Ltd., (Dept B) Russell St., NOTTINGHAM.



ENEMAS PESSARIES



and all Surgical Rubber Goods.

Sole Proprietors of "EVE" Brand.

Rubber Mats. Hot Water Bottles.



X-L RUBBER CO., Altrincham, Cheshire.

Enquiries Invited.
 PHONE: Altrincham 709



T.H. FORD LIMITED **G. WELL ST. LONDON, E.C.1.**

Telegrams: Droscolym, Cent, London. Telephone: City 2522 (Private Branch Exchange).

SURGICAL DRESSINGS
SURGICAL SUNDRIES

"INGOT" Regd.
QUALITY and FINISH.

Are Selling Lines and bring Repeat Business.
 Allow us to quote you when next in the market.

NORVIC

Crêpe Bandages (Regd.)

Crêpe Binders

Vic Flesh-Cloths

All first-class selling lines.

GROUT & CO., LIMITED
GREAT YARMOUTH

Clinical THERMOMETERS

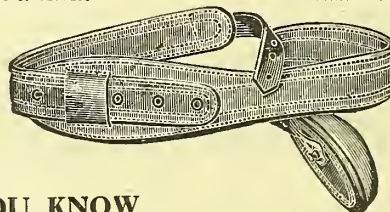
J. Pillischer
 88, New Bond St.
 London, W.1

ESTABLISHED 1843

The "Hernicura"
"COMFORTABLE"

Reg. No. 627925.

Patent No. 23241.



YOU KNOW

how often you have trouble in fitting customers with trusses, and how frequently dissatisfaction is expressed.

TRY

the "Hernicura" Trusses. They are easy to fit, possess great adaptability, give absolute satisfaction, and yet are most reasonable in price.

A 33 inch Truss will adjust from 30 to 36 inches.
 Head is also adjustable.

Write for Price List.

Specimens on appro.

MORGAN-DAVIS & SONS LTD.

Truss and Surgical Appliance Makers

276-278 BISHOPSGATE, E.C.2.

Phone: Bishopsigate 2417.

B & B LYSOL

BRITISH AND BEST

THERE are many Lysols, but B & B Lysol is the product of a British Colliery. It is the best that can possibly be produced. It is made by British labour and packed by British employees.

There is no unpleasant odour with B & B Lysol.

We are making a special offer to chemists to induce them to commence stocking this line, which will be largely advertised.

We will give a special bonus of

TWO PACKAGES TO EVERY DOZEN ORDERED

Bonus to be the Same Size as that Ordered.

PRICES—Retail P.A.T.A.

4 oz. size	-	-	1/-	6/6 doz.
8 oz. size	-	-	1/6	12/- doz.
16 oz. size	-	-	2/6	21/- doz.
½-gall. tin	6/6	each.	1 gall. tin	10/6 each.

Carriage Paid. Less 2½% monthly.

Wholesale from :

BUTLER & CRISPE, 82 Clerkenwell Road, E.C.1

SANGERS, 258 Euston Road, N.W.1

JOHN THOMPSON (^{Wholesale}_{Druggists 1921}) LTD., 27/35 Duke Street, Liverpool.

AND FROM

HEPPELLS LTD., 16 Grosvenor Place, S.W.1.



"Dalma" Corn Silk

Really cures corns and this is the reason sales have steadily increased year by year. It has gained the confidence of the buying public. To assist you to popularise this line in your district, we are sending effective show-matter with all orders for one gross, and, if desired, will print your own name and address.

Send for a gross to-day—you are sure of ready and profitable sales.

PRICE
48/-
per gross.
RETAILS at
7½d.
per packet.



SHOW CARDS
WINDOW BILLS
SPARE
ENVELOPES
PRICE TICKETS
with every gross.

A. de ST. DALMAS & CO. Ltd., LEICESTER

"CAPSIUM"
CHEST PROTECTORS.



MINIMUM PRICES, each, doz.		each, doz.	
Small "Single" 9d.	6/-	Small "Double" 1/6	11/6
Medium .. 1/-	8/-	Medium .. 1/10½	15/-
Large .. 1/3	9/9	Large .. 2/3	18/-

"ZORBO" Regd. PNEUMONIA JACKETS AND

"CAPSIUM" CHEST PROTECTORS.

The best possible Manufactured. Invaluable in Pneumonia and other Chest Complaints.

ORDER THROUGH USUAL WHOLESALE.

ROBERT BAILEY & SON, LTD. Marriott Street Mills, Stockport.

High Class Surgical Dressings of GUARANTEED BRITISH MANUFACTURE.

Phone: Stockport 2794. Wires: "Undisputed."
London Office:
331 Sentinel House, Southampton Row, W.C.1.



MINIMUM P.A.T.A. PRICES

Size		each, doz.
1	8 x 6	Infants' 1/- 8/-
2	10 x 8	Children's 1/6 10/9
3	12 x 10	do. 1/11 13/-
4	15 x 12	Adults' 2/6 16/-
5	19 x 13	do. 3/3 19/6
6	21 x 15	Ex. Large 4/3 25/6

J. H. HAYWOOD, Ltd. CASTLE GATE NOTTINGHAM

SURGICAL APPLIANCE MANUFACTURERS.

- SPECIALITIES FOR SUMMER :

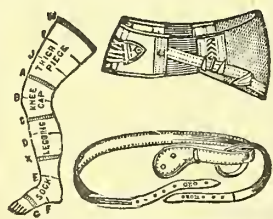
Elastic Hosiery, with or without seams, suitable for Summer wear.

Trusses Spring and elastic, Suspensory Bandages, Abdominal Belts, made from porous materials.

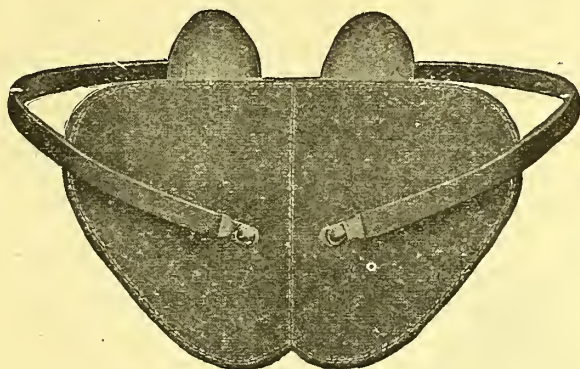
Elastic and Leather Supports, for Cricket, Tennis, Golf and Boating.

Goods for Toilet and Seaside trade.

India Rubber Appliances, Nursing Requisites, Druggists' Sundries, Etc.



THE KINGSTON ABDOMINAL SUPPORTER



For General Weakness of the Abdominal Section
and an Efficient Support for the Lower Abdomen,
this appliance is invaluable.

In three qualities:

Basil and Chamois. Calf and Persian.
Calf and Lambskin.

R. H. HEWARD Co., Surgical Appliance Manufacturers, **TWICKENHAM**

CRÈPE VELPEAU BANDAGES AND ABDOMINAL BINDERS

In Original French Carts.



The Most Perfect and Durable Crêpe
Bandages that have ever been produced.
In two qualities only.

Demand **CRÈPE VELPEAU.**

DEVILBISS SPRAYS

MEDICAL
— and —
PERFUME

27 Old Bond Street, London, W.
GERRARD 6867.



BOOKS AND PROSPERITY.

Send us a post card and we will send you our new
32-page catalogue listing practically all the current
books of American publishers of interest to the average
druggist. Among the subjects covered are: Pro-
fessional, commercial, and manufacturing pharmacy,
formulas of all kinds, advertising, window-trimming,
show-card writing, the soda fountain and the
luncheonette.

Spatula Pub. Co., 10 Alden St., Boston, Mass., U.S.A.

BUY YOUR

**BOTTLES, JARS,
PILL TUBES**

PLAIN, CORKED & CAPPED

AND

VACUUM FLASKS

AT LOWEST PRICES

FROM

**C. MELIN & CO. 7 INDIA STREET
LONDON, E.C.3.**

Zeal's CLINICAL THERMOMETERS

are

BRITISH MADE

by

BRITISH LABOUR

from

BRITISH GLASS

and

**GUARANTEED
PERMANENTLY ACCURATE**

**G. H. ZEAL, LTD. 75 & 77 St. John Street
—LONDON, E.C.1—**

For SUN, DUST, WIND & GLARE



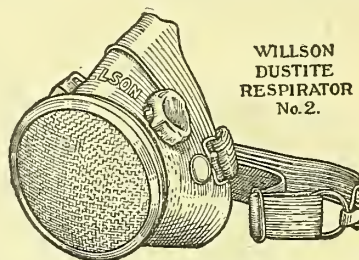
ONE OF THE MANY NEW
ATTRACTIVE ASSORTMENTS OF

Willson Goggles

Containing 12 Pairs of High Grade
Goggles with assorted Fieuzal,
Amber and Smoke Glass.

Look for
the **WILLSON** name
on the frame

CATALOGUES
SENT ON REQUEST.
ALSO ANY INFORMATION
GLADLY GIVEN.



WILLSON
DUSTITE
RESPIRATOR
No. 2.

For Dusty Work and Spraying.

WILLSON DUSTITE
RESPIRATOR No. 2.
Dry Filter Model with 2 Relief
Valves.

WILLSON DUSTITE
RESPIRATOR No. 3.
Wet Sponge Filter Model,
with 2 Relief Valves.

Protection with Comfortable
Breathing.



DISTRIBUTORS TO THE WHOLESALE TRADE:

S. PULZER & SON, Ltd., 45 Hatton Garden, London, E.C.1

Telegrams: "PULZONE, LONDON."

Telephone: HOLBORN 5288.

A PHILIP JOSEPHS & SONS LTD.

SHOWCASE
QUICKLY EARNS
ITS COST.

Try One!

93 OLD ST., LONDON, E.C.1.

Phone—2191 Clerkenwell.

Wires—"Josiphiah London."

SHOWCASES

UPRIGHT CENTRE CASES, WALL CASES,
GLASS COUNTERS, MIRRORS
WINDOW FITTINGS, GLASS SHELVES,
SHOW STANDS, DRAWERS, DESKS
CHECK TILLS, &c. Immense Stock.
NEW and SECOND-HAND.

Ready for Immediate Delivery. For Sale or Hire.

FREDERICK MAUND
175/9 Old St., LONDON, E.C.1.

AYRTON-GRAHAM, Ltd.

Designers and actual manufacturers of

FITTINGS

For the MODERN PHARMACY.

Shop Fronts, Show Cases, Exhibition Cases, Counter
Cases, Counters, Wall Cases, Glass Signs, etc., etc.

PHARMACIES MODERNISED.

ALL GOODS OF BEST QUALITY
AND FINISH AT LOWEST RATES.

Competent Fitters sent to all parts.

106 DUKE STREET, LIVERPOOL.



Labels
Cartons
Pockets
Wrappers

WE all have a place on the map. No matter the size of the town, one Chemist at least is always to be found. Unfortunately for the chemist, there is not a Chemist's Printer in every town.

The WAIDE'S SERVICE

has helped the chemist to get over this difficulty by placing their Representatives so that they can be at any given point of the British Isles within a few hours ready to discuss his Printed Matter with him.

THE QUALITY of Waide's Printing is all that can be desired.

Thomas Waide & Sons
The Chemists' Printers, Limited,
Kirkstall Road, LEEDS.

Handbills

All descriptions of
Poison & Receipt
Books
Memos, etc.

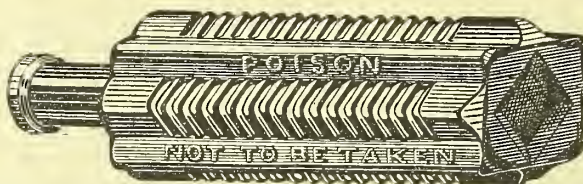


THE LAST WORD in POISON BOTTLES

THE
"ETON"
POISON

ELIMINATES RISK.

London Agents:
SOUTHWARK GLASS CO.
26 MARSHALSEA ROAD, S.E.1.



REGD. NO. 716057.

ANY SIZE & COLOUR.

PLAIN OR
STOPPERED.

ACCURATE
CAPACITY.

Provincial Agents:
JAS. SINCLAIR & SON,
SOUTHWARK, LONDON, S.E.1.

PRICES AND SAMPLES ON APPLICATION.

**CHAMOIS, WHITE
WASHABLE LEATHERS,
and WHITE SPLITS**
for all purposes.

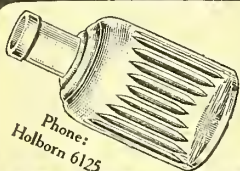
W.K.G.



WALTER K. GILBERT & Co.
6 Dowgate Hill, London, E.C.4.

Telegrams: "Gilbertia, London."
Telephone: Central 4570.

ESTABLISHED 1870.



Phone:
Holborn 6125

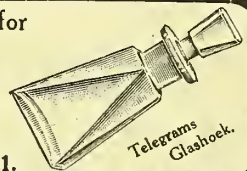
GLASS BOTTLES

of every description for
all purposes.

ENQUIRIES SOLICITED.

VAN DER HOEKS

321/25 Bank Chambers
329 High Holborn
LONDON, W.C.1.



Telegrams
Glashoek.

SPECIAL CLEARANCE OFFER OF
PLAIN **MEDICALS**
Pale Green 4 oz. and 6 oz.

PLAIN **FLATS**
Amber 8 oz.

ALSO OTHER CURRENT LINES
PLEASE ASK FOR CLEARANCE LIST

Write or 'phone (Central 2430, 5 lines, and 2 private lines)

L. LEPERSONNE & Co.
99 CANNON STREET - - LONDON, E.C.4
(Strictly Wholesale. Case lots only.)



VISKAP

**BOTTLE
(APS)**

The
ORIGINAL-BEST
and
ONLY BRITISH MADE.

SELF-FIXING, HERMETIC,
TRANSPARENT, OPAQUE, COLOURED.
IMMEDIATE DELIVERY
FROM THE MANUFACTURERS.

VISCOSE DEV. CO. LTD. BROMLEY KENT.

FREDK. YOULDON

(Formerly Proprietor of E. Youldon. Established 1840)

68 BASINGHALL STREET
LONDON, E.C.2

Phone:
London Wall 3529.

Telegrams:
'Youldon, Ave, London.'

Enquiries and orders for
ALL KINDS OF

**GLASS
BOTTLES**

will receive immediate attention.

**THE STANDARD
OF PURITY
STERNS
LIQUID**

PARAFFIN B.P.

Colourless, Tasteless, Odourless.
All Specific Gravities.

**PETROLEUM
JELLIES B.P.**

White, Lemon, Yellow, Amber,
Red, Green.

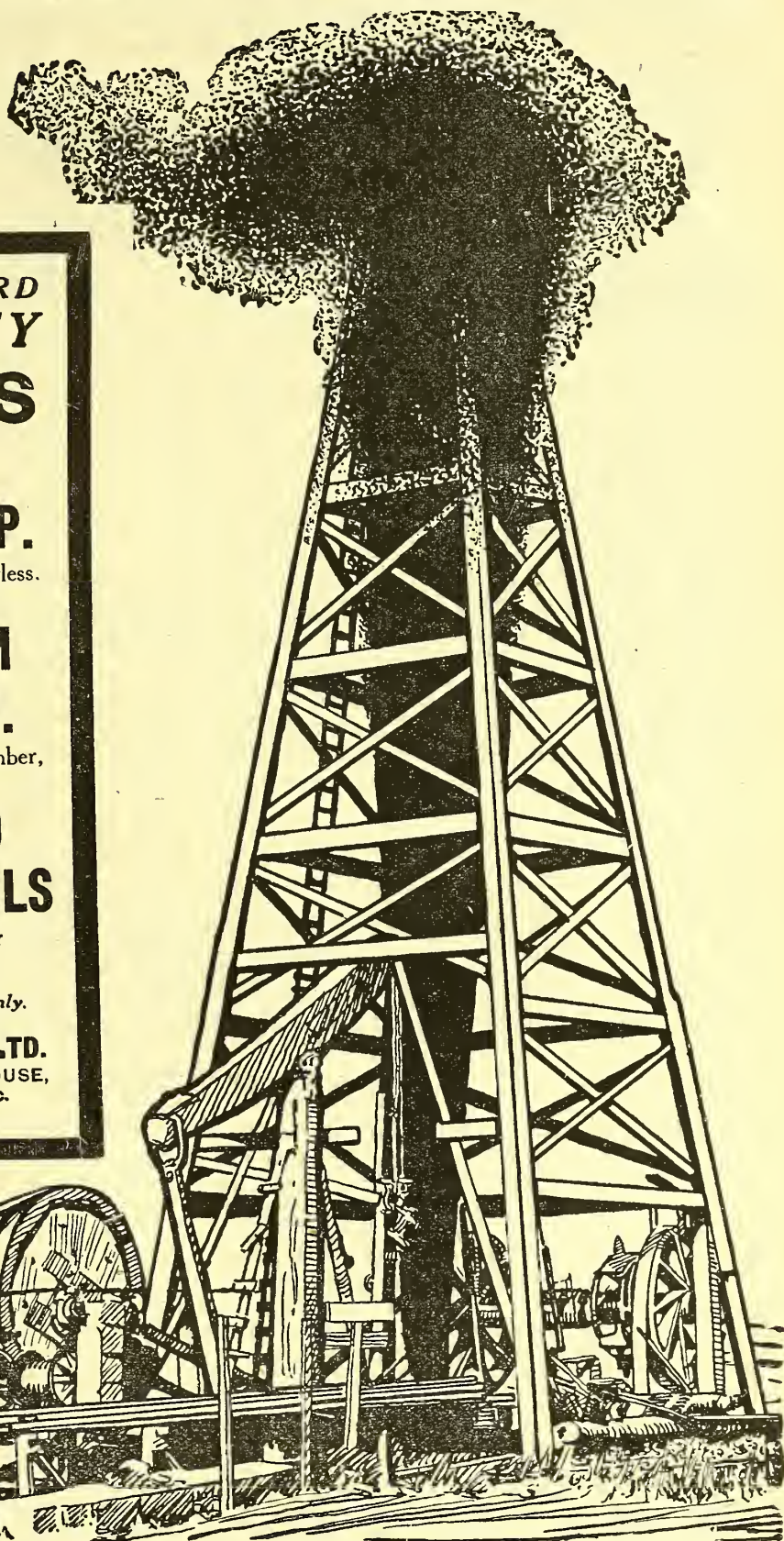
**WHITE AND
COLOURED OILS**

Yellow, Green, Red for
Brilliantine, etc.

Wholesale and Export only.

STERNS LTD.

80 ROYAL LONDON HOUSE,
FINSBURY SQUARE, E.C.
19 WATERLOO ST., GLASGOW.



INVENTORS

Small Rotary Pill Cutting Machine & Piping Press.

ASK YOUR AGENTS FOR PINDAR & CO.'S MACHINES—ORIGINAL MANUFACTURERS.

This is a Machine specially constructed for the use of Chemists or Manufacturers of small quantities of Pills. Capacity about 5 lbs. per hour. Can be used on Counter or where little space can be spared. The Piping Press and Machine occupies a space of 2 ft. by 1 ft.

These Machines make one size Pill. By means of extra Plates and Rollers any size of Pills can be made.

Extra Plates and Rollers to fit Machines.

Price, the two machines, £12.

TABLET COATING MACHINES

made with 1 ft. 6 in., 2 ft. 6 in. and 3 ft. Copper, Earthenware and Welded Galvanized Pans.

Tablet Compressing Machines, Complete Pill Plants, End Runner Mills for Ointments, Grinding Mills, Tincture Presses, Emulsifying Machines, Percolators, &c., Mixing and Kneading Machines, Drying Ovens, Hand Pill Machines.

COLD COMPRESSION SUPPOSITORY MACHINES.

SUPPOSITORY AND PESSARY MOULDS, LIP SALVE MOULDS, Etc.

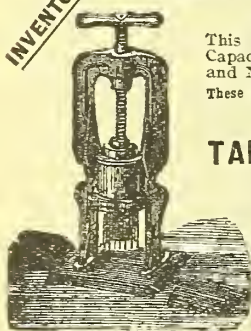
J. W. PINDAR & CO., LONDON, S.E.4.

Works: ENDWELL ROAD, BROCKLEY, LONDON, S.E.4.

Telegrams: "Pindar, Brockley, S.E."

Telephone: 1065 New Cross.

ROTARY CUTTING MACHINE



PIPING PRESS

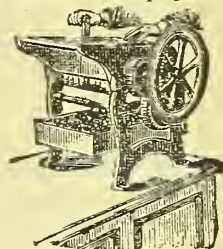


Fig. B. No. 2.

LIGHT—THE SALESMAN
 LIGHT YOUR PREMISES THROUGHOUT WITH
ZEISS Reflector LAMPS
 THE BEST LIGHTED SHOP IS ALWAYS THE BEST PATRONISED

Write for illustrated Catalogue B79 of ZEISS fittings for economical shop and window lighting from the British Distributors:
J. W. ATHA & CO. WINSLEY HOUSE, WELLS ST., OXFORD STREET, LONDON, W.1.

COLLAPSIBLE TUBES!

HAVE YOU SEEN

Cowles' Filling and Closing Machines?

3 NEW MODELS HAND, PEDAL, AUTOMATIC **£10:10:0 upwards**

ECONOMY SPEED LABOUR-SAVING

DETAILS ON APPLICATION

E. Cowles, Hounslow, London, W.

**FAIRY DYES**

Mean Greater Turnover for You—and Absolute Satisfaction for Your Customers.

THERE is no more attractive line on the market to-day—there is no better seller—and no article has made larger strides in popular favour.

FAIRY DYES

are now sold in glass tubes, encased in smart, clean-looking "safety-first" cartons. They are retailed at 2d. each, made in 25 popular shades and colours, and are extensively advertised in the right publications.

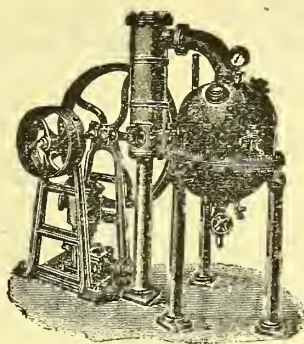
You can rely upon Fairy Dyes—for prompt delivery in any quantities—for fresh stocks—for quick, easy-to-handle, clean turnover, and as tried favourites your customers are always satisfied. See that you are supplied without delay.

For Trade Terms and particulars write to

FAIRY DYES, LTD.,

61 WELL ROAD
 GLASGOW.

London Depot - - - - 292 UPPER STREET, ISLINGTON, N.1.

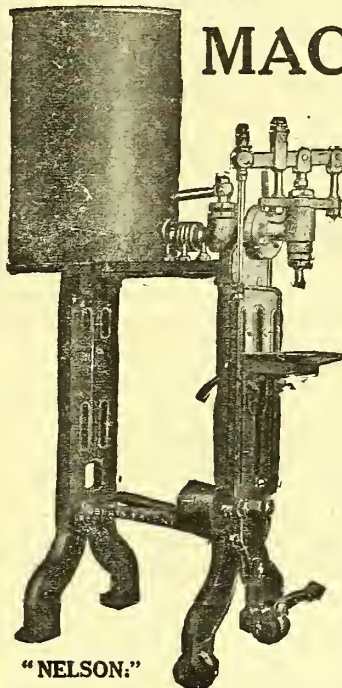


**STILLS, VACUUM STILLS, VACUUM PANS.
EVAPORATING PANS.
AUTOCLAVES AND DIGESTORS.
SPECIAL APPARATUS AND PLANT
FOR MANUFACTURING CHEMISTS.**

SOLE MAKERS of BENNETT'S PATENT 'IDEAL'
ANNULAR FILM CONDENSERS.
SHEARS' PATENT MULSER.

BENNETT, SONS & SHEARS, LTD.
ENGINEERS & COPPERSMITHS,
43 & 44 Shoe Lane, LONDON, E.C. 4.

ROBERTS' ORIGINAL PATENT BOTTLE-FILLING MACHINES



Don't waste money
on imitations, buy
Roberts' Machines
which actually
Created the Records
for

**CLEANLINESS
SIMPLICITY**
and Rapidity in
Bottle Filling.

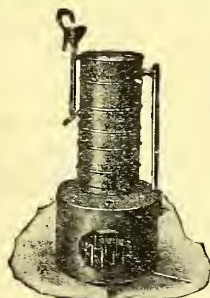
Write for new
Price Lists.

NOTE the Address :
**ROBERTS' PATENT
FILLING MACHINE CO.
33 ROUNDCROFT ST.
BOLTON.**

Our latest patent
"Alpha," price £12,
will fill 10 gross bottles
per hour.

Write for Particulars.
All Rights Reserved.

DISTILLED WATER



Brown's Stills are perfectly
automatic. Can be run night
and day without attention.
Patented in U.K. and Con-
tinental Countries.

Extraordinarily efficient and
economical. Made for gas,
steam, oil or coke fire heating.

Full particulars and prices free on application

BROWN & SON,
Alembic Works,
Wedmore Street, Holloway, N.19

"ATLAS" PATENT SIFTERS & MIXERS

Combined or Separate Machine, for hand or power.

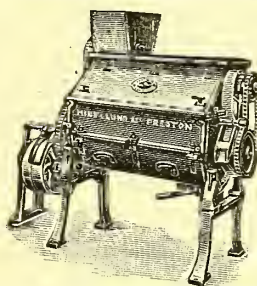
Fitted with all our
latest improvements.

**BALL and PEBBLE
GRINDING MILLS.**

Various Sizes.

**HIND & LUND,
LIMITED,
ATLAS WORKS,
PRESTON.**

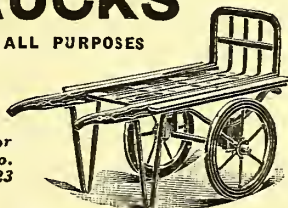
Established 1791.



TRUCKS

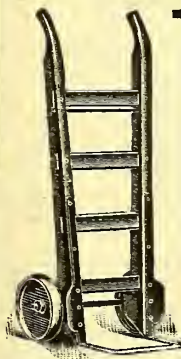
FOR ALL PURPOSES

Send for
List No.
C.D. 823



W. B. STUBBS & SON (Estab. 1836)

Manufacturers of Trucks and Handcarts
of every description,
Progress Works, HAWKSWORTH, NOTTS



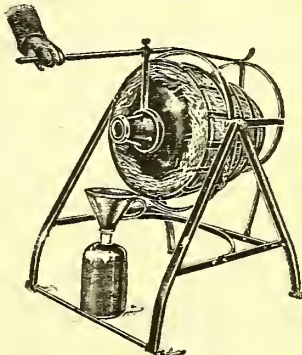
CARBOY STAND AND TILTER.

For drawing off small
quantities of acids, etc.
from Carboys, with ease
and safety.

The Carboy can be tipped
to any position with one
hand.

**R. & H. LEIGH & SONS,
LIMITED.**

Carboy Hamper Manufacturers,
BOLTON.



PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopœia.

(Wholesale only.)

Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C.3.

FRED^K. FINK & CO.

10 & 11 MINGING LANE, LONDON, E.C.3.

GUMS, ARABIC and TRAGACANTH as Imported or
Finely Powdered. :: SHELLACS ALL GRADES.

Pyrogallic Acid Gallic Acid

Manufactured by J. L. ROSE, Ltd.

At ABBEY ROAD, BARKING, LONDON, E.

Wholesale and Export only.

EXSICCATED SULPHATE of MAGNESIA

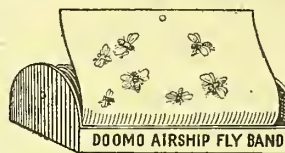
Enquiries Solicited.

PERRY & HOPE, LTD., Nitshill, near Glasgow.

Telephone : Giffnock 414 (2 lines).

Telegrams : "Perryope, Nitshill."

Doomo AIRSHIP FLY BAND



The Effective Fly Band.

A wide and long band, sticky on both sides, giving great effective surface. Write for Quotations.

SMITH & CO.

Doomo Works - NEWARK.

C. WOOLLONS

M.P.S.

PHOTOGRAPHIC DEVELOPING PRINTING AND ENLARGING

SEND FOR LIST.

Manor Works, Acton Lane,
HARLESDEN - N.W.10
One minute from Jubilee Clock
PHONE: WILLESDEN 4065

LABELS

For Chemists, Drug Stores and
Herbalists. Slip Labels 2/6 per
1,000. Dispensing Labels 3/6 per
1,000. Circles 3/6 per 1,000. Pure
Gummed Paper. Price List and
samples sent on receipt of a
post card.

ELLAMS & COMPANY, Medical Label
Printers.
Est. 1340. 33 HANOVER STREET, LIVERPOOL.

Those First Grey Hairs
appear just
← here
Touch them up with
TATCHO-TONE ^{Trial Phil} ^{8^d} _{Post Free}
Medical Guaranty with bottle. Chemists Prices 2/6 & 4/6
or direct to the Tatcho-Tone Co., 5, Gt. Queen St., W.C.2

TALCUM POWDER FACE POWDER VANISHING CREAM

Any Grade.
Any Colour.
Any Perfume.
Any Quantity.

All Merchandise in Bulk or in your own Containers.
The O-PINE-O Manfg. Co. Ltd., Montague Rd., Hornsey, London, N.8



SHADEINE

For COLOURING GREY HAIR

This popular article is largely advertised
and stocked by all Wholesale Houses.
Trial size 8d. per doz. .. 6/-
1/4 size, per doz. .. 12/-
1/2 size, per doz. .. 24/-
3/4 size, per doz. .. 28/-

The SHADEINE CO., 58 Westbourne Grove, London, W.2.

Concentrated Orange Blossom Water

GUARANTEED GENUINE.

Coming directly from my Algerian Orange Groves where
the flowers have, thanks to the beautiful climate,
A SWEETER SMELL than in Europe. Ask for samples.
Interesting prices according to quantity.

J. L. BARTHET, Rue de Constantine, Hussein-Dey pres Alger.

"FROZEN" COLOGNE, LAVENDER and GLYCERINE & ROSEWATER.

ATTRACTIVE PACKING and PRICES.

PERFUMERY for EXPORT.

"P" Dept., E. N. BROMAGE & CO.
73, SELHURST ROAD, LONDON, S.E.25.

FRIZZETTA KEEPS THE HAIR IN CURL 2/-
PELLETTA FOR THE COMPLEXION 1/4 3/3
SE-TABA TABLETS THE NEW NERVE TONIC 1/3 3/-

BEST TERMS. 3 DOZEN ORDERS ASSORTED, CARRIAGE PAID
ALL WHOLESALE HOUSES. P.A.T.A.

Maker : F. W. BATES, Brooks's Bar, MANCHESTER.



Ask for "PAZO" PILL BOXES

The most convenient and
secure Pill Box obtainable.

NO LOOSE BOTTOMS

Samples and Prices on application

The "PAZO" CO., Oldbury

EXCLUSIVELY A PHARMACY LINE

P.P.T. PY-SHAN POINTS TEA

SECURES YOU REGULAR CUSTOMERS
AND 7d. PER POUND PROFIT.

Write for full particulars to — Thos. Christy & Co., 4/12 Old Swan Lane,
E.C.4

SELL EMPIRE PRODUCTS

NEW AND REGULAR CUSTOM IS BEING
CREATED DAILY BY OFFERING



CIGARETTES & TOBACCO

Made from the finest leaf grown
in NYASALAND on the planta-
tions of The BRITISH CENTRAL
AFRICA CO. LTD.

Head Office:

Thames House, Queen Street Place, London, E.C.4.

We wish you to TRY THESE, and shall be
pleased to send you FREE SAMPLES, also
particulars.

PRICES ARE MODERATE and the QUALITY
and SIZE COMPARE FAVOURABLY with
BRANDS COSTING NEARLY DOUBLE.

Sole Distributors for the Chemist Trade:

THOS. CHRISTY & Co.

4/12 Old Swan Lane, London, E.C.4.

PERKEN, SON & CO., LTD.

Established 1852.

Contractors to H.M.
Government.

THE
"MATER"
CLINICAL
is on the
P.A.T.A.
LIST.

ALL
TYPES
OF
CLINICAL
AND OTHER
THERMOMETERS

Price List on Application.

94 HATTON GARDEN,
LONDON, E.C.1.

Telephone: 724 Holborn.

Telegrams: "Optimus, Smith, London."



SIMPLIC (PATENT) SOOTHERS



THESE ALL-RUBBER SOOTHERS
ARE MADE OF FINEST RUBBER
BY A PATENT PROCESS. THEY
ARE PACKED EACH IN A DUST-
PROOF CARTON, AND THE
ATTRACTIVE OUTER MAKES AN
EFFECTIVE DISPLAY.

ASK YOUR WHOLESALE FOR
LATEST TERMS.

Ask for Simplic British Branded Goods—Teats, Enemas, Whirling Sprays,
Adults' Springless Trusses, &c. *Simplic Spells Satisfaction.*



Write for
Illustrated
Lists.

Venesta Collapsible Tubes

Lipsalve Cases, Sprinklers, etc.

Made in Pure Tin, Lead,
or Lead coated with Tin,
Plain or Enamelled, and
printed with designs to suit
customers' own requirements

Manufactured by

Venesta Ltd.
1, Great Tower St. EC3
London, England

Telephone :
ROYAL 4200
(6 lines).

Telegrams :
"Venesta, Bilgate,
London."

Tubes, etc., are manufactured to Customers' own specification

English
Filter

POSTLIP
Papers

SQUARES
CIRCLES
FOLDED
ROLLS

WHITE
GREY
PLAIN
ANTIQUE
EMBOSSED
CRINKLED

SAMPLES
FREE



Evans, Adlard & Co Ltd

Postlip Mills, Winchcombe, Cheltenham.

This gives a thorough mix-up

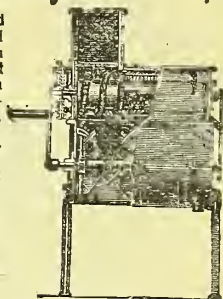
A Gardner "Rapid" sifter and mixer will thoroughly sift and mix $\frac{1}{2}$ oz. of one ingredient with a 30-lb. mixture of dry powders at one operation, and "every pinch of the whole will show its presence"—a customer's statement.

Write us for list of Ball Mills, Disintegrators, Millstones and Mills, Drum Sieves, Drying Machinery, etc.

WM. GARDNER & SONS
(Gloucester) LTD.

Bristol Road, GLOUCESTER.

*Phone 117. *Grams : "Gardner," Gloucester



**BATTLE'S
VERMIN
KILLER**

Of all Patent Medicine
Houses at 3/-, 5/- and
9/- per dozen.

In packets at 5d., 9d.
and 1/3 each.
(P.A.T.A.)

The sure destructive agent which may be confidently recommended by Chemists for quick clearance of rats and mice. (Users' testimonials on request.)

Prepared only by

J. C. M. BATTLE, Ph.C., LINCOLN

NEW SHEEP DIPS (REGULATION) ORDER OF 1926.

BATTLE'S YELLOW POWDER & PASTE DIPS

are approved by the Minister of Agriculture for the First Dipping.

BATTLE'S FLUIDS & PASTE DIPS

(NON-ARSENICAL) for the First and Second Dippings.

CHEAPEST AND BEST VALUE.

Packed and Approved under Agent's own name.

BATTLE'S SANITARY DISINFECTANT FLUID

Approved for use under the Disease of Animal (Disinfection) Order of 1926.

WRITE TO SOLE MAKERS:

BATTLE, HAYWARD & BOWER
VICTORIA CHEMICAL WORKS - - - - - LINCOLN

NICOTINE INSECTICIDES

Are by far the most efficient and economical for destroying sucking Insects in Greenhouse, Garden, Orchard & Field

PACKED IN - - - - -
PURE NICOTINE, SOAP, POWDER,
FUMIGATING & VAPORISING forms

Full particulars from :-

J. D. CAMPBELL Nicotine Manufacturer,
17 Lund St., Cornbrook, Manchester

Continuous and Steadily Advertised Goods FOR DESTROYING RATS AND MICE

DANYSZ VIRUS

Retail Price (protected).	Net Wholesale Prices
Virus for Rats and Mice, single tube, 2/-	.. 15/- per doz.
3 tubes, 5/-	
Virus for Mice only - single tube, 1/6	.. 9/- " "
3 tubes, 3/-	
Date-expired tubes returned to us postage paid will be exchanged free of charge.	

Danysz Virus in Liquid Form

Retail Price.	Wholesale Price
Quart Bottles 6/- each	4/6 each
Pint " 4/6 "	3/9 "

HALLER'S EXTRACT OF SQUILL and DANZO RAT KILLER

Discount off Retail Prices 25% Monthly Account, or 33 1/3% cash with order.

	Retail	Monthly a/c	Cash with order
1/2 gall. tins	10/-	7/6	6/8
1 " "	18/-	13/6	12/-
5 " "	80/-	60/-	53/4

DANZO BEETLE POWDER

For destroying Blackbeetles, Cockroaches, Crickets, &c.
Retail Prices (protected). Wholesale Prices per doz.
In tins 3d. In boxes of 2 doz. 2/1
" 6d. " " 1 " 3/8
" 1/- " " 1 " 7/3
" 2/6 " " 1 " 18/-

Danzo Beetle Powder will not deteriorate by keeping.
CARRIAGE PAID ON ALL ORDERS.

To be obtained from

HALLER LABORATORIES, LTD.,
325 Borough High Street, LONDON, S.E.1

Telegrams: "Virudana, Sedist, London."

Telephone: Hop 2717



"Pyramid" Fly Band

The Band with a Pin enabling it to be fixed in ANY position.

Largest Sales and Best Profit

Samples and Quotations from
Sole Agent :-

SAMUEL S. GOLDBERG
Chemists' Sundriesman,
57 HOPE ST., GLASGOW.

Annual Special Issue

of

THE CHEMIST & DRUGGIST

Publication Date - - JULY 10, 1926

THE issue will be a distinct advance on previous triumphs so far as artistic, technical and editorial interest are concerned.

It will, therefore, be of even higher advertising value than any of its predecessors.

There are still a number of pages in the ordinary black and white section open for the announcements of advertisers.

There are also one or two pages on primrose art paper in violet and green inks, and in the section printed in red and black on white imitation art.

A coloured section is likewise restricted to advertisements of genuine proprietary articles and accessories.

Advertisers who have not yet secured space should communicate at once with

THE PUBLISHER

The Chemist and Druggist

42 Cannon Street - - - London, E.C.4

Branch Office :
19 Waterloo Street,
Glasgow.



Branch Office :
54 Foster's Bldgs., High Street,
Sheffield.

4 Cannon Street, Manchester.

POTTER & CLARKE

60/64, ARTILLERY LANE LTD
LONDON, E.C.1.

Telephones : Bishopsgate 1033-4-5.

Telegrams : "Horehound, Phone, London."

MANCHESTER : 24 LUNA STREET, GT. ANCOATS.



POTTER'S ASTHMA CURE

AND

POTTER'S CATARRH PASTILLES

ARE WIDELY ADVERTISED TO THE PUBLIC.

We are spending thousands of pounds to help you sell a line which yields you a handsome profit.

Potter's Asthma Cure
Potter's Asthma Cigarettes

P.A.T.A. 1/6. Dozen 14/-

Potter's Asthma Smoking
Mixture

P.A.T.A. 9d. Dozen 7/-

Potter's Catarrh Pastilles

P.A.T.A. 1/3. Dozen 11/-

Packed in beautiful Show Outers. Showcards for Counter and Window Display with all orders.





Sal Hepatica contains two vital salts—sodium phosphate and lithium citrate—not to be found together in any other saline.

For the Ailments caused by acid conditions

*Indigestion and rheumatism in their acutest forms
yield to this effervescent saline*

DOCTORS have long realized how essential it is to maintain the alkaline balance in the body—that is why they so often prescribe Sal Hepatica.

Once this balance is broken down—once the acids which are always being produced by food predominate in the system—then chronic indigestion and rheumatism develop.

To prevent these ailments, to check them in the early stages, to eliminate them from the system when they are in their most acute form—that is the function of Sal Hepatica.

These are the special display offers—order from us or through your regular P.A.T.A. wholesaler; the generous terms hold either way.

No. 1—Six dozen "small" and three dozen "large" for £7.17.11½ instead of the usual £8.15.6—a reduction of 10%. This means a total profit to you of £3.16.0½, or 48.1% on your investment.

No. 2—Three dozen "small" and one dozen "large" for £3.8.8 instead of £3.14.3—a reduction of 7½%. This means a total profit to you of £1.10.4, or 44.1% on your investment.

No. 3—One dozen "small" for 14/11½ instead of the usual 15/9—a reduction of 5%. Your total profit is 6/0½, or 40.5% on your investment.

TERMS—For direct orders on Nos. 1 and 2—payment in 30 days, or if you like, an extra 1½% for cash. For No. 3—cash should be paid with order or on delivery.

Many of your customers refuse the usual remedies for fear of forming a habit. With Sal Hepatica, however, goes the certainty that it does not produce a condition of tolerance in the system.

Instead it works by stimulating the eliminating organs in such a way that they will function properly themselves.

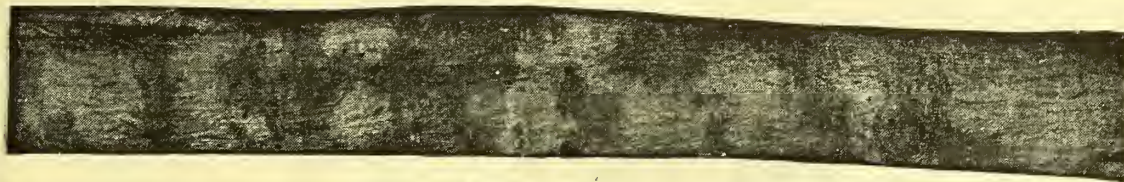
Such a remedy, in the form of an effervescent saline, is indispensable in your shop.

Bigger sales—bigger profits

Keep Sal Hepatica on show and benefit by the special terms, with reductions of 10%, 7½%, and 5%.

Write for the fresh, attractive show material which we have ready for you. Bristol-Myers Company, 112, Cheapside, London, E.C.2.

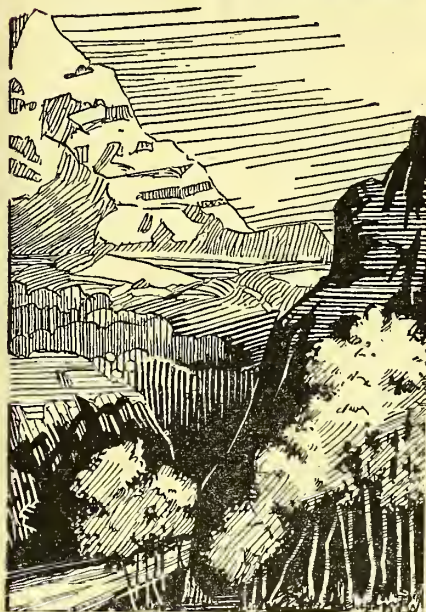
Sal Hepatica



Bark of the true Rhamnus Purshianus

TRADE
MARK

'TABLOID' BRAND Cascara Sagrada



The Pacific Coast of North America supplies the bark of the true *Rhamnus Purshianus* from which 'Tabloid' Cascara Sagrada is made

True Cascara—at its best

Every pharmacist is anxious to sell only those products the quality of which he can vouch for with certainty, the sale of which earns adequate remuneration and the confidence of satisfied customers. Sound reasons for selling 'TABLOID' Cascara Sagrada.

Accuracy of dosage, uniform activity and freedom from griping are definitely assured by the care bestowed upon the preparation of this product.

Always display it prominently

TRADE
MARK

'TABLOID' BRAND CASCARA SAGRADA

Bottles of 25 and 100, gr. 2, at 7/- and 18/- per doz. (subject)

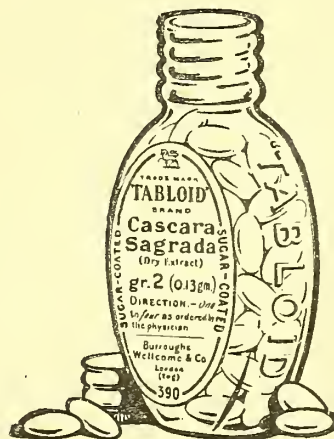
Also in the following strengths: gr. 1, gr. 3, gr. 4, gr. 5, 0.15 gm. and 0.25 gm.



BURROUGHS WELLCOME & CO., LONDON
Address for communications: SNOW HILL BUILDINGS, E.C. 1

Exhibition Room: 54, Wigmore Street, W. 1

Associated Houses: NEW YORK MONTREAL
SYDNEY CAPE TOWN MILAN BOMBAY
SHANGHAI BUENOS AIRES



Reduced facsimile

COPYRIGHT

WARRICK BROTHERS, LIMITED

AMULETS.
CACHETS, & APPARATUS.
CACHOUS.
CAPSULES.
CHANTICLEER PASTILLES.
CHAPIREAU'S CACHETS.
CHOCELLÆ.
CINET GOODS.
COMPRESSED TABLETS.
CRYSTADES.
EAU DE COLOGNE.
ESSENTIAL OILS.
EXTRAITS AUX FLEURS
FIZZLETS. (*Suspended.*)
FLEXETTES.
FLEXOIDS.
FRAGRETS.
JAPADUMS (CINET).
LOZENGES.
LUBRILAX.
NORETS.
NOSTRONES.
ORIFORM LOZENGES.

OTTOLETTES.
PASTILLES.
PERFUMES.
PERFUMETTES.
PERLES.
POMADES (FLORAL).
POT POURRI (CINET)
PULVELLÆ.
REFRESHLETS.
ROSE WATER.
SACHETS.
SYNTHOROSE.
TOILET SOAPS.
WALMSLEY CLEANING
PADS.
ZEPHYR BUTTONHOLES.
ZOMBS.

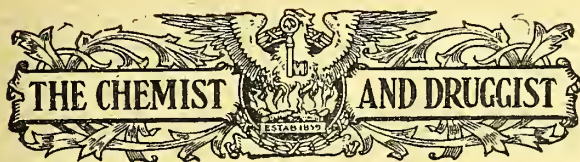
Also Special Agents for
JELLOIDS.
IRON JELLOIDS.
DULCILAX.
MADDOCKS' PERFUMERY.
HENDRIE'S "

6, Nile Street, City Road, London, N.1

Telephone :CLERKENWELL 2452.

Telegrams : "WARRICKERS NORDO, LONDON."

CORRESPONDENCE FROM OVERSEAS SOLICITED.



A WEEKLY JOURNAL OF PHARMACY AND OF THE CHEMICAL AND DRUG TRADES

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

SUBSCRIPTION RATE

TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy, 9d., post free; *Diary*, 10s., post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martins, Ltd."

TERMS FOR ADVERTISING may be obtained on application to
Head Office: 42 CANNON STREET, LONDON, E.C.4
(Telegrams: "Chemicus, Cannon, London." Telephone: Central 3617.)

Branch Offices: { 4 Cannon Street, Manchester. (Tel.: City 52.)
54 Foster's Bldgs., High St., Sheffield. (Tel.: 2458.)
19 Waterloo Street, Glasgow. (Tel.: Central 2329.)
Melbourne and Sydney, Australia.

Contents

No. 23

Series 2419

Vol. 104

	PAGE
Association Affairs ..	819
Births	823
Books, New	817
Business Changes ..	812
C. & D. Commercial	
Compendium	843
Colonial and Foreign	
News	820
Coming Events	809
Company News	813
Constantinople Drug	
Stores	814
Correspondence:—	
Letters	840
Legal Queries	841
Miscellaneous In-	
quiries	842
Deaths	823
Editorial Articles:—	
"The Art of Dis-	
persing"	826
Company Law	
Amendment	827
English News	809
Gazette	834
General Medical	
Council	822
Hungarian News ..	812
Information Depart-	
ment	824

	PAGE
Insurance Act Dis-	
pensing	816
Irish News	811
Legal Reports	813
Marriages	823
Observations and	
Reflections	825
Personalities	822
Pharmaceutical Society	
of Great Britain:—	
Opening of	
Laboratories ..	829
Council Meeting ..	832
Branch Meetings ..	834
Pharmaceutical Society	
of Ireland:—	
Council Meeting ..	812
Poisonings	810
Recent Patents	821
Retrospect	842
Royal Society	823
Scottish News	811
Sporting Events	818
Storage of Eggs	820
Summer Outings	817
Trade-marks	824
Trade Notes	824
Trade Report	835
Westminster Wisdom	821
Wills	811

Coming Events

Wednesday, June 23

Liverpool Chemists' Association.—Annual picnic to Llangollen. Charabancs leave Birkenhead (Woodside) at 2 p.m. Tickets (10s. 6d. each) from Mr. L. M. Parry.

Pharmaceutical Society of Great Britain (Plymouth Branch). Technical School, Tavistock Road. Annual outing to Lidford. Charabancs leave at 1.45 p.m. Tickets (10s. 6d. each, including high-tea) from members of the Committee.

Thursday, June 24

London Chemists' Inter-Association Sports.—Sports Grounds at New Barnet of S. Maw, Son & Sons, Ltd. Play commences at 2.45 p.m. Charabancs leave Lancaster Gate Tube Station (for Western Association) for New Barnet at 2 p.m. Tickets, 3s. 6d. return. North London train leaves Finsbury Park Station for New Barnet at 2.15 p.m.

Saturday, June 26

National Association of Women Pharmacists. Swan Walk Entrance, Chelsea Physic Garden, at 2.45 p.m. Outing. Tea (1s. 6d. each) at 4.30 p.m., Good Intent Restaurant, 316 King's Road, Chelsea. Notify secretary.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN (METROPOLITAN AND HOME COUNTIES BRANCHES).—A river outing to Marlow will be held on July 1. Leave 17 Bloomsbury Square at 2.30 p.m. by motor coach for Maidenhead. Thence by launch. High tea at Marlow. Book of vouchers, 12s. 6d. each.

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Food Preservatives Regulations

The London Provision Exchange has been informed by the Minister of Health that he has decided to postpone the operation of the Public Health (Preservatives in Food) Regulations, 1925, so far as they relate to bacon and hams, for a period of six months—i.e., until July 1, 1927. In making this concession the Minister has stated that he cannot contemplate any further postponement of the Regulations. An outline of the Regulations was given in the *C. & D.*, June 13, p. 807, and a fuller summary appeared in the *C. & D.*, II, 1925, p. 329. The official text (*S. R. & O.*, 1925, No. 775, 3d.) is obtainable at the Stationery Office.

Price Protection

The Proprietary Articles Trade Association, in order to make their system of price maintenance as effective as possible, are asking all retailers who distribute articles which are on the Association's protected list to sign an agreement that P.A.T.A. prices and conditions will be observed. A list of persons and firms who have completed the agreement is being compiled and already some 14,000 retailers have signed the form. The P.A.T.A. desire to make the list of those who have signed as complete as possible, and strongly urge all retailers who have received the agreement form, but not signed and returned it, to do so at once, and send it to the Secretary, 18, Tavistock Square, London, W.C.1.

Society of Chemical Industry

The forty-fifth annual meeting of the Society of Chemical Industry will be held in London on July 19-23 inclusive. The following societies are co-operating:—Chemical Society, Institute of Chemistry, Association of British Chemical Manufacturers, British Association of Chemists, British Chemical Plant Manufacturers' Association, Bio-Chemical Society, Coke Oven Managers' Association, Institute of Brewing, Institute of Metals, Institution of the Rubber Industry, Institution of Chemical Engineers, Institution of Petroleum Technologists, Oil and Colour Chemists' Association, Society of Leather Trades' Chemists, Society of Public Analysts, and the Chemical Industry Club. The programme includes the following:

Monday, July 19.—Opening of the Exhibition of Chemical Flant at the Central Hall, Westminster, at 11.30 a.m., by Sir Max Muspratt, Bt. At the Mansion House, at 2.30 p.m., the presentation of the Society's Messel medal to the Rt. Hon. the Earl of Balfour, K.G., O.M., F.R.S. The Messel Memorial Lecture will be delivered by Lord Balfour. At 8.15 p.m., reception by the President of the Society of Chemical Industry (Mr. W. J. U. Woolcock, C.B.E.), in the Winter Garden, Hotel Great Central.

Tuesday, July 20.—At 10 a.m., annual meeting of the Society of Chemical Industry, at the Hotel Great Central. Presidential address by Mr. W. J. U. Woolcock. At 11 a.m., joint meeting of the Bio-Chemical Society with the London Section of the Society of Chemical Industry. Subject: "The Scientific and Industrial Problems presented by the Hormones—the Natural Drugs of the Body." Papers will be read by:—(1) Dr. H. H. Dale, "The Experimental Study and Use of Hormones"; (2) Dr. H. W. Dudley, "The Chemistry of the Pituitary Gland and of Insulin"; (3) Mr. F. H. Carr, "The Commercial Production of Hormones"; (4) Dr. H. A. D. Jowett, "The History of Adrenaline"; (5) Professor G. Barger, "Recent Progress in the Chemistry of Thyroxine"; (6) Dr. J. W. Trevan, "Biological Assay of Hormones." At 3 p.m., discussion on "Chemistry House," to be opened by Dr. Stephen Miall.

Wednesday, July 21.—At 10.30 a.m., annual meeting of the Society of Chemical Industry at the Hotel Great Central. Addresses by Sir Josiah Stamp, G.B.E., and Sir Max Muspratt, Bt. At 8 p.m., annual dinner of the Society of Chemical Industry at the Hotel Great Central.

Thursday, July 22.—At 10.30 a.m., joint meeting arranged by the Chemical Engineering Group with the Institution of Petroleum Technologists and the Institution of Chemical Engineers on "Power Alcohol."

Numerous excursions and visits to works have also been arranged. Any persons interested are invited to apply for tickets of admission to the meetings, with the exception of the opening day.

Poisonings

The following cases of fatal poisoning, among others, have been recorded since our last report:—

At Hackney, London, E., Rebecca Poster committed suicide by taking Easton's syrup tablets, while of unsound mind. It was stated at the inquest (held on June 10) that the number taken was twenty.

A verdict of "Death from prussic acid poisoning while temporarily insane" was given at an adjourned inquest, held recently at Skipton, on the body of Mr. Andrew Mackay. It was stated that Mr. Mackay had purchased two drachms of hydrocyanic acid from a local chemist. The name and address had been entered in the chemist's book, and the poison was said to be required for poisoning a dog.

In recording a verdict of "Suicide while of unsound mind" at a recent inquest, the deputy-coroner for Portsmouth added that during the last week there had been five consecutive cases of suicide, three of which were due to lysol. The trouble, of course, arose from the sale and purchase of lysol being unrestricted in its capacity as a disinfectant. It was difficult to provide a remedy for the trouble, but he hoped something would be done to prevent the unrestricted sale of lysol, otherwise he was afraid there would be many repetitions. The cases they had had were only examples of what was going on all over the country.

Inquests

The Lambeth (London) coroner concluded, on June 10, an inquest on the body of Captain R. W. Ramsay (*C. & D.*, June 12, p. 773). A medical man from St. Thomas's Hospital stated that efforts had been made to trace the origin of the meningitis from which the patient died, but with negative result. Meningitis sometimes arose spontaneously. An open verdict was recorded.

In the Camberwell (London) Coroner's Court, on June 11, an inquest with reference to the death of Catherine E. Bennett, wife of a company director, Calais Gate, S.E., was concluded. At the previous sitting it was mentioned when the deceased was found in bed, a packet of aspirin tablets lay scattered about. The packet had contained 100, of which 25 were missing, and this gave rise to the idea that she had died from aspirin poisoning. Dr. Gardiner, pathologist, now said he had made a careful analysis of the stomach, intestines, and liver of the deceased in view of the discovery which he was told had been made. He found nothing, however, to lead him to suppose that aspirin had anything to do with her death. It was a drug that was easily absorbed, and, in his opinion, was not a poison. He should have thought that if she had taken the whole of the hundred aspirin tablets she would not have come to much harm, and certainly would not, in his opinion, have died. He found no trace of aspirin poisoning, and death was due to coma following alcoholic excess. The jury returned a verdict accordingly.

Liverpool

"Test match" weather has created a temporary run on cough mixtures.

Mr. and Mrs. Moreton Parry motored up to London to attend the Society's annual meeting, and on their return broke the journey at Oxford.

Mr. M. Greening, manager of Newbery's, Liverpool branch in School Lane, slipped while playing tennis, and though he sustained a slight fracture of a small bone in the right foot, he is able to attend to business.

The state of business is indicated by the large amount of silver that is being received over the counter at some of the city shops. One chemist who used to have to take Treasury notes to the bank and bring back silver, has been taking only silver.

Mr. George Inman, who used to be in business in Dale Street, has been spending a short holiday in the city. During the last twenty months he has done a good deal of travelling on the Continent and in Northern Africa. It is his intention in the near future to settle down in London.

Prior to sailing, on June 12, in the Cunard liner "Laconia," for New York, en route for San Francisco, where, as stated in the *C. & D.* last week, he has secured

an appointment, Mr. A. O. Phillips, late of Buddens, Ltd., was presented with a handsome case of pipes by the members of the Pharmacists' Club.

Beautiful Church Stretton has been chosen by the Liverpool Pharmacists' Club as the venue of their annual picnic on July 4. The journey will be made by motor-coach, which will leave Woodside, Birkenhead, about 10 a.m. The party will have a picnic lunch, and tea will be taken at Shrewsbury.

Mr. O. G. Matthias, a director of Smith, Stanistreet & Co., Ltd., Calcutta, has arrived in England, being home on leave until November. He is at present staying with friends in Liverpool, one of whom, a fellow apprentice at Evans Sons Lescher & Webb, Ltd., had lost sight of him until a few months ago, when a note in this column gave his address, after a separation of fourteen years.

Mr. E. Norman Torry (Ayrton Saunders & Co., Ltd.) addressed the Rotary Club of Chester, on June 14, on "How to Write Fiction." Mr. Torry gave a racy and humorous lecture, dealing with the whole craft of the novelist from the invention of the plot to the despatch of the completed manuscript. At the conclusion Mr. Torry was congratulated on being not only a successful novelist, but an attractive lecturer, and he was unanimously invited to repeat his visit in the autumn.

Manchester

The Chemists' Exhibition, which is to be held at the City Exhibition Hall in September, is again under the patronage of the Manchester Pharmaceutical Association.

The next match of the Manchester and District Pharmacists' Golfing Society is on June 23 at Fairfield Golf Club, Buxton, when Mr. W. Griffiths-Hughes's prize is to be played for, and the visitors will be the guests of Mr. Griffiths-Hughes for the day.

The funeral of the late Mr. John Douglas Guest, chemist and druggist, Prestwich, who died at the early age of forty-two (*C. & D.*, June 12, p. 787), took place at the Southern Cemetery on June 12. Among those present, in addition to relatives, were the following pharmacists and friends:—Messrs. Franklin (President of the Manchester Pharmaceutical Association), Collins (Vice-President), Miller (Secretary), Councillor Edwards, Cleworth, Breese, Nidd, Turner, Woodhead, and Mather.

A dinner was given by Mr. J. H. Franklin, President of the Manchester Pharmaceutical Association, to the council and pharmacist friends, on June 10, at the Manchester Limited Restaurant. After an excellent dinner had been served, the President, in very few words, paid a tribute to the work done by Mr. E. H. Simmons, who, he was pleased to say, was re-elected to the Pharmaceutical Society's Council. Of course he knew it was what they all expected, but nevertheless they were delighted at his success. Mr. Simmons, in reply, said he was certainly very pleased at being re-elected, not so much for himself as for the pharmacists who had worked so hard to secure his return. He wished to thank those present for all they had done. He would endeavour on his part to justify the confidence they had placed in him. Mr. Simmons outlined some of the salient features of recent legislative measures and the steps being taken to safeguard the interests of pharmacists. The following were present:—Messrs. J. A. Collins (Vice-President), William Kirkby, A. J. Pidd, Miller, Edwards, Bell, Wyatt, Hershberg, Woodhead, Meadows, Davidson, Stout, Grier, Edwards, Breese, Cleworth, Aves, Nidd, Travis, Scholes, Dickson, Eastwood, and Blyton. A cordial vote of thanks was accorded to Mr. A. J. Franklin for his hospitality. In reply, he said that it had been one of the happiest moments of his life.

Miscellaneous

WINE LICENCE GRANTED.—Mr. G. Hinchliffe, chemist and druggist, Dukinfield, has been granted a wine off-licence.

BRITISH INDUSTRIES FAIR.—It is announced that the next British Industries Fair will be held at the White City, London, W., and at Castle Bromwich, Birmingham, from February 21 to March 4, 1927.

FIRE.—On June 11, the fusing of an electric cable caused a burst of flame in front of the premises of Grimwade & Ridley, wholesale druggists, Princes Street, Ipswich, and the lower part of the building was involved. The damage is estimated at £1,000.

SALE OF FOOD AND DRUGS ACTS.—At Blackpool Police Court, on June 15, Walter Malin, proprietor of a beach stall, was fined 10s. for having sold "lemonade" found to contain over 90 per cent. of water, together with small percentages of sugar and tartaric acid. It was explained on behalf of the defendant that he had just opened the stall, and had no lemon essence.

FATAL ACCIDENT.—Mr. Harry Whitehead, an assistant at the Burnley branch of Boots, Ltd., died at Bolton on June 12 from injuries received in a motor-cycle accident. At the inquest, held on June 15, the coroner said that apparently the deceased was on the wrong side, and when the other motorist gave his warning he might have unthinkingly swerved to his right. On the evidence he did not think any blame could be attached to the driver. A verdict of "Accidental death" was returned.

IN THE COURTS.—At Old Street Police Court, London, on June 9, George Skinner (18), warehouse assistant, pleaded "guilty" to a charge of stealing £15 8s. 1d., the moneys of his employers, H. Gordon (London), Ltd., druggists' sundriesmen, City Road, E.C. He was remanded. At the hearing on June 16 he was bound over.—At Lambeth Police Court, London, on June 10, Frank B. Lord (34), a police constable, was bound over on a charge of having stolen a camera, value £2 8s. from the shop window of Mr. Hector Lawrence, chemist and druggist, Camberwell Green, S.E.

PORTSMOUTH MUNICIPAL COLLEGE.—At a recent meeting of the Portsmouth education committee it was reported that the principal of the Municipal College had been authorised to make application to London University for the recognition of the pharmacy course at the College, in order to enable students to sit for the new degree in pharmacy, and also that similar recognition was being sought from the Pharmaceutical Society for the purpose of the Pharmaceutical Chemist Qualifying examination. The local branch of the Society, it was stated, had adopted an approved scheme whereby apprentices would attend two half-days and up to three evenings a week at the College. It was decided that Miss Wells, chemist and druggist, should be appointed to the teaching staff.

Scottish News

Brevities

Parish council prescriptions become more numerous every day in our industrial areas. This is due to the fact that so many unemployed are appealing to the parish councils for relief.

Mr. Joseph Rosenzweig, chemist and druggist, trading as J. T. Roberts, merchant, 23 Panmure Street, Dundee, has granted a trust deed for behoof of his creditors in favour of Mr. W. Davidson Gracie, 31 Albert Square.

A correspondent writes: Your "leader" of June 12, "Regulation Mania," ably illustrates the maze of laws and amendments into which we have been pitched, and your closing sentences appealing for a remoulding of the whole regulations by practical men are universally endorsed.

Edinburgh

In the mineral water competition at the recent Brewers' and Allied Trades' Scottish Exhibition, the gold medal for ginger ale was awarded to Johnston, Hill & Co., Ltd., Dumfries, whose successful product was flavoured with essence ginger Kingston and essence ginger ale Royal. Both essences are manufactured by A. Boake, Roberts & Co., Ltd., London, E.15.

There was a large attendance of distinguished doctors and surgeons from the Continent of Europe, America, and the Dominions, on June 11, for the celebrations of the bicentenary of the founding of the Faculty of Medicine at Edinburgh University. Principal Sir Alfred Ewing presided over a special graduation ceremony, when the honorary degree of LL.D. was conferred, *inter*

alia, upon the following: Dr. Andrew Balfour, Director of the London School of Hygiene and Tropical Medicine; Sir George Newman, Chief Medical Officer of the Ministry of Health, London; Professor Ralph Stockman, Glasgow University; and Sir Norman Walker, Edinburgh. After the graduation an address was delivered by Sir George Newman, who traced Edinburgh's greatness to the influence of the University of Leyden in the eighteenth century. He said that some of the remarkable discoveries of the eighteenth and nineteenth centuries had taken place at Edinburgh, and he instanced specially the discovery of chloroform and of antiseptics.

Irish News

Pharmaceutical Society of Northern Ireland

Mr. W. J. Hardy, Ph.C., has given notice of his intention to move the following regulations at the next Council meeting: (1) No member of Council shall be eligible for the office of examiner. (2) The President or Vice-President of the Society, or in their absence a member of Council, provided he be also a member of the Pharmaceutical Society, when present at any meeting of the Board of Examiners, shall preside thereat, and all examinations shall be open to members of the Society, or members of the Council. (3) The appointment of examiner shall not be in force for more than one year; he shall be eligible for re-election annually, but not for more than a period of five years continuously.

Brevities

Miss H. R. Hay has opened a pharmacy at College Road, Cork.

Mr. T. J. Doyle, M.P.S.I., Fairview Medical Hall, Dublin, has been appointed a Peace Commissioner for co. Dublin.

Belfast

At Belfast Custody Court, on June 12, William McAllister, Daniel Nellins, Wm. John Crawford, and William H. Brown, jun., charged with breaking into the lock-up premises of T. J. Eglinton, R.D., Sandy Row, and stealing various articles, were committed for trial.

The Education Committee of Belfast Corporation has accepted the tender of Grattan & Co., Ltd., for the supply of goods for the pharmaceutical laboratory at the Municipal College of Technology at a cost of £29 12s. 8d. In connection with the equipment of the laboratory the following contracts have been placed: Museum specimen bottles, W. J. Rankin & Son, chemists, 11 Waring Street, £5 10s.; laboratory bottles, W. J. Rankin & Son, 11 Waring Street, £2 19s. 4d.; materia medica specimens, Wright, Layman & Umney, Ltd., London, £12.

Wills

MR. WILLIAM GOODMAN, Talbot House, Ridgeway, Chingford, chemical manufacturer, who died on April 11, left estate of the gross value of £5,766 13s. 8d., with net personalty £5,621 9s.

MR. DUGALD MACDOUGALL, chemist and druggist, Greenock, who died on March 23, left personal estate in Great Britain valued at £1,948. Probate has been granted to William Melrose, 10 Brisbane Street, Greenock, chemist, and Miss M. B. Nicolson, 27 Lyle Street, Greenock.

MR. JOHN CAMPBELL MCCORQUODALE, chemist and druggist, 63 Glenmore Road, Hampstead, London, N.W., who died on February 4, has left estate of the gross value of £2,445 2s. 4d., with net personalty £2,369 19s. 11d. Probate has been granted to his widow, Mrs. Florence McCorquodale, the sole executrix.

MR. CHARLES JOHN RADERMACHER, Ph.C., 31 King Edward's Gardens, Acton, London, W., who died on April 15, left estate of the gross value of £5,945 1s. 5d., with net personalty £5,681 15s. 7d. Probate has been granted to his daughters, Mrs. Louisa Crocken Edmonds and Miss Ethel Elizabeth Radermacher, 72 Alexandra Crescent, Bromley.

Hungarian News

MANUFACTURE AND SALE OF SURGICAL DRESSINGS.—A Government order provides for the licensing of factories manufacturing surgical dressings. Licences are granted only to qualified pharmacists or other persons possessing expert knowledge of this branch of manufacture. Medical practitioners and veterinary surgeons may obtain a licence provided they have had at least six months' practical experience in a factory where surgical dressings are manufactured, and that they also possess the requisite knowledge of sterilisation processes. The order contains provisions regulating the actual manufacture, packing and storage of surgical dressings, which may only be sold in pharmacies or drug stores.

SALE OF MEDICINES OUTSIDE PHARMACIES.—The sale of all drugs, chemical products and pharmaceutical specialities used as remedies is limited exclusively to pharmacies. For some time past the Ministry of Public Welfare has been collecting evidence to the effect that medicines and pharmaceutical specialities are being illegally sold by retail druggists, and orders were issued to exert a rigid supervision over these businesses. To put a stop to this form of illegal competition the Hungarian Association of Pharmacists concluded an agreement with the association of wholesale druggists, and also with the manufacturers of pharmaceutical products, according to which the wholesale druggists and the manufacturers undertake not to supply any medicines or goods to retail druggists which the latter are not permitted to supply to the public. On the other hand, the members of the Hungarian Association of Pharmacists undertake to place their orders only with those wholesale houses and manufacturers who have signed this agreement. Following the conclusion of this agreement the organisation of retail druggists took legal action, on the grounds that the terms of the agreement were injurious to their credit and constituted unfair competition. The verdict went against the druggists, who were condemned to pay 14,000,000 crowns in costs.

REFORM OF THE CURRICULUM.—To meet modern requirements, and to fit the pharmacist more adequately to fulfil his manifold duties, the existing curriculum urgently requires revision, particularly since the medical and philosophical faculties, where the pharmacist receives his university training, do not make adequate provision for the specialised teaching of pharmacy. The following course of professional training is proposed by the Hungarian Association of Pharmacists: Entrants into the profession, who would be required to possess the matriculation certificate, should attend a year's preparatory course of instruction in the fundamental, practical and theoretical aspects of pharmacy in the school founded by the Association and subsidised by the Hungarian Government. After passing an examination a period of fourteen months in a pharmacy would follow to complete the candidate's practical training. A three years' course of theoretical study would complete the curriculum, in the course of which three examinations would have to be passed. In addition to the usual subjects, courses would be given on bacteriology, toxicology, hygiene, analysis of foods, history of pharmacy, pharmaceutical ethics, book-keeping, and pharmaceutical etymology. After passing the final examination a further year's study would be required, the mornings being devoted to the preparation of a thesis, and the afternoons to work as assistant in a pharmacy. On the acceptance of the thesis and passing another examination the degree of doctor of pharmacy would be conferred, together with the diploma of qualified pharmacist.

Business Changes

MR. A. C. HOSSACK, chemist and druggist, has opened business in Jarvey Street, Bathgate.

THE business of the late Mr. Daniel Morgan (trading as D. Morgan & Co., chemists), High Street and Duke Street, Cardiff, has been acquired by Messrs. Charles F. Morgan, M.P.S., and A. L. Acraman, who will continue to trade as D. Morgan & Co.

Pharmaceutical Society of Ireland

Council Meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on June 8, Mr. Richard Blair (President) in the chair. The following members of the Council were also present:—Mr. G. A. McLean Lee (Vice-President of the Society), Dr. J. A. Walsh, Dr. Michael Ryan, Messrs. W. F. Kirby, John Smith, James Fleming, R. E. Campbell, Patrick Liston, F. J. Fitzpatrick, P. Brooke Kelly, Denis J. Nugent, and D. Warwick. The President said Mr. Storey had suffered a great bereavement by the death of his mother, and he thought they should pass a resolution of sympathy with him and the other members of the family. A resolution of sympathy was passed in silence, the members standing.

CHANGES OF ADDRESS

The following wrote notifying changes of address:—Mr. P. J. Griffin, B.A., Ph.C., to the Medical Hall, Tullow, co. Carlow; Mr. Wm. Kelly, Ph.C., to the Medical Hall, Cappoquin, co. Waterford; Mr. Charles McKeown, Ph.C., to c/o Mr. A. L. Hanrahan, M.P.S.I., Lismore, co. Waterford; Mr. Maurice J. Bunyan, Ph.C., to Borrisoleigh, co. Tipperary; and Mr. Robert Gray, R.D., to 41 Ogle Street, Armagh.

PRELIMINARY REGISTRATION

The following, who submitted certificates from other bodies, were admitted to Preliminary registration:—Mr. A. E. Dempsey, 1 Merrion Square, North Dublin; Mr. John Fielding, Portnascully, Mooncoin, co. Waterford; Mr. T. J. Griffin, 3 Altamont Terrace, Westport, co. Mayo; Mr. P. A. O'Hara, 6 Pleasants Street, South Circular Road, Dublin; Mr. M. V. O'Reilly, 15 Vincent View, College Road, Cork; Mr. Patrick O'Shea, Ph.C., c/o Mr. M. J. Howard, Ph.C., The Square, Kilrush, co. Clare; Mr. Leo F. Rickerby, Kenilworth Square, Dublin; and Mr. David Stack, Glenafana, Ballyhooley, co. Cork.

EDUCATION CERTIFICATES

The following recommendations of the Law Committee were considered:—That the Intermediate and Leaving Certificates of the Board of Education I.F.S. be accepted in lieu of our Preliminary examination, provided candidates have passed in the necessary subjects. That the acceptance of the Inner Grade Certificate of old Intermediate Board be discontinued after a stated time. On the motion of Mr. Brooke Kelly, seconded by Mr. Fitzpatrick, it was decided to delete the word "Intermediate" from the first-mentioned recommendation, so that it should read:—That the Leaving Certificate of the Board of Education I.F.S. be accepted in lieu of our Preliminary examination, provided candidates have passed in the necessary subjects. The recommendation in this form was unanimously adopted. The second recommendation was also unanimously adopted in the following form:—That the acceptance of the Inner Grade Certificate of old Intermediate Board be discontinued after April 1927.

REPORTS OF DEATHS

THE REGISTRAR (Miss E. C. Grene) submitted reports of the deaths of Mr. J. R. Bunyan, Ph.C., Church Street, Listowel, co. Kerry; Mr. Frederick Anderson, Ph.C., 57 Harcourt Street, Dublin; Mr. J. J. Macaulay, Kelvin Parade, Belfast; and Mr. E. M. McSwiney, Ph.C., Liberty Street, Cork. It was directed that the names of the deceased gentlemen should be removed from the register.

ELECTION TO MEMBERSHIP

The following were elected to membership:—Mr. E. Pitt, Ph.C., Fernville, Tramore, co. Waterford; Miss S. J. Kelly, Ph.C., 227 North Circular Road, Dublin.

LEGISLATION SUBCOMMITTEE

MR. BROOKE KELLY suggested that there should be placed on the agenda for the next meeting of the Council a direction that the Legislation Subcommittee should give a full account of what they had been doing in the matter of legislation.

Legal Reports

Deficient Turpentine Liniment.—At the Guildhall Justice Room, on June 10, Evelyn Blanche Hillman and Oliver Leslie Roberts, the executors of Charles Edward Hillman, deceased, formerly a chemist carrying business at 5 Liverpool Street, E.C., were summoned under the Sale of Food and Drugs Act, for having sold liniment of turpentine which was deficient in oil of turpentine to the extent of 57 per cent. Mr. H. Glyn-Jones, barrister, defending, admitted the facts, but argued that chemists were bound to exercise their discretion, and not always serve customers with what they asked for. There was the well-known instance of the woman who asked for "prussic acid for the baby," and was very annoyed when the chemist gave her boracic acid. (Laughter.) Chemists were often asked for carbonate of soda, but they always served bicarbonate. In this case, what was sold was an embrocation. The Alderman: I am of opinion that the article supplied was not the article asked for, and I impose a fine of £5 and a guinea costs—half to be paid by each defendant.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office

BARNOLD, LTD. (P.C.).—Capital £2,500. Objects: To acquire the business of research, manufacturing and general chemists, etc., carried on at 7 Milverton Street, Kennington, S.E., as the "Barnold Laboratories." The directors are: W. J. Bartholomew and P. A. Arnold, F.C.S.

BRAHAM & MAURER, LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers of and dealers in chemical, pharmaceutical, medicinal, hygienic, cosmetic, dietetic, therapeutic, veterinary and other preparations, etc. The directors are: P. Braham and E. Maurer. R.O.: Holborn Viaduct House, 12, Holborn Viaduct, London, E.C.1.

JOHN MILLER & CO. (ABERDEEN), LTD. (P.C.).—Capital £175,000. Objects: To acquire the business of John Miller & Co., chemical manufacturers, Sandilands Chemical Works, Aberdeen. The directors are: J. B. Miller, J. Bruce Miller, and A. L. Miller. R.O.: Sandilands Chemical Works, Aberdeen.

WALTER C. ATKIN, LTD. (P.C.).—Capital £500. Objects: To carry on the business of dentistry and such business ancillary thereto as may be lawfully carried on by a body corporate by virtue of the Dentists' Act, 1921. The directors are: Mrs. M. Atkin and W. A. Fyfe. R.O.: 78 Grimsby Road, Cleethorpes.

CANDLES (DUTCH EAST INDIES), LTD. (P.C.).—Capital £10,000. Objects: To carry on the business of producers and manufacturers of and dealers in candles, night lights, oils, greases, glycerin, soap and other articles or substances for lighting, heating, cleansing or lubricating purposes, etc. R.O.: 22 Great St. Helens, London, E.C.3.

LAMWORTHS, LTD. (P.C.).—Capital £200. Objects: To carry on the business of manufacturers of and dealers in dental and other appliances, patent proprietary and other articles, goods, and accessories, components, furnishings etc. The directors are: H. Duckworth and A. E. Hallam. R.O.: Cromwell House, Amyand Park Road, Twickenham.

PLYMOUTH OXYGEN CO., LTD. (P.C.).—Capital £6,000. Objects: To acquire the business of an oxygen manufacturer, carried on by S. Castle, at Plymouth, and to carry on the same, and the business of manufacturers of nitrogen, acetylene, and other gases, and dealers in plant, machinery and commodities used in connection with or relating to the manufacture or use of gases, etc. The directors are S. Castle and A. H. Pethick.

ZOG, LTD. (P.C.).—Capital £5,000. Objects: To acquire the trade mark "Zog," and the goodwill of the business connected therewith, and to carry on the business of soap makers, manufacturers of cleansers,

perfumers, seed crushers, paper makers, varnish makers, manufacturers of and dealers in soap, perfumes, toilet articles, polishes, tallow, artificial tallow, oil, glycerin, chemicals, paints, dyes, colours, etc. R.O.: Bebington, near Birkenhead.

LANGLEY-SMITH & Co., LTD. (P.C.).—Capital £50,000. Objects: To adopt an agreement between W. Watson and H. E. McLean, W. J. H. Ennis and J. H. Arkell, to carry on the business of oil and tallow merchants formerly carried on by the late H. W. Langley-Smith and W. J. H. Ennis and J. H. Arkell as Langley-Smith & Co. at St. Mary's Chambers, 14-20 St. Mary Axe, E.C., etc. Directors: W. J. H. Ennis, J. H. Arkell, and R. Cornell. R.O.: St. Mary's Chambers, 14-20 St. Mary Axe, London, E.C.3.

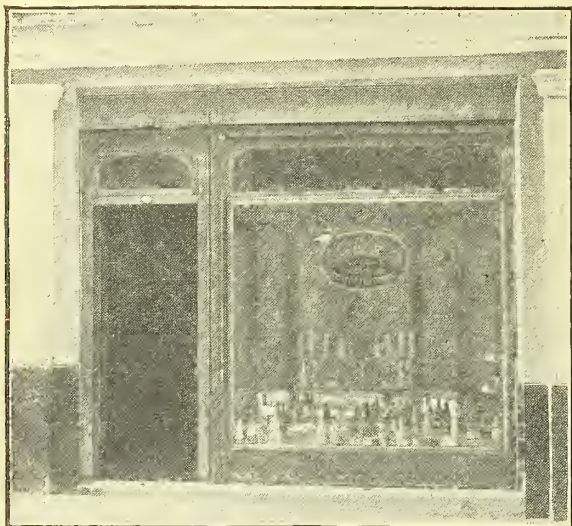
LEONA, LTD. (P.C.).—Capital £2,000. Objects: To acquire the business carried on by E. Jackson at Great Saffron Hill, E.C., and to carry on the business of wholesale manufacturing chemists, druggists, perfumers and soap makers, herbalists, chiropodists, opticians, distillers, drysalts, manufacturers of and dealers in patent medicines, surgical and sick room appliances, mineral waters, toilet accessories, and all fancy articles, investigators of any patent formula, secret or other process capable of being used in the manufacture of amalgams, agglomerants and binders for stone, wood, combustible and other materials, etc. The directors are:—A. S. Price and E. Jackson. R.O.: 181 High Street, Blackheath, Staffs.

CARBOKRIMP MANUFACTURING AND TRADING CO., LTD. (P.C.).—Capital £5,000. Objects: To acquire the registered trade mark "Carbokrimp," No. 434,700, Class 2, to carry on the business of agricultural, horticultural and general chemists, chemical manufacturers and merchants, druggists and makers of germicides, insecticides and disinfectants; nurserymen, plant and tree raisers, importers and exporters and manufacturers of and dealers in all kinds of agricultural and horticultural machinery, etc., and to adopt an agreement with Naamlooze Vennootschap Utrechtsche Asphalffabrik Voorheen Firma Stein and Takken. The first directors are Hendrik van der Linden and B. Lynch. R.O.: 161A Strand, London, W.C.2.

PARROTT'S, LTD.—P. S. Booth, Kimberley House, Holborn Viaduct, London, E.C., ceased to act as receiver on May 27.

A. J. WHITE, LTD.—The net profit for the year ended March 31, 1926, was £34,034 16s. 3d. After bringing forward £56,513 5s. 2d. from the previous year's accounts, and adding the profit (£34,034 16s. 3d.) there remains a balance of £90,548 1s. 5d., out of which the payment of a final dividend of 6 per cent. (making 10 per cent. for the year) is recommended, leaving a balance of £60,548 1s. 5d. to be carried forward.

W. J. BUSH & Co., LTD.—The twenty-ninth annual meeting was held on June 14 at the Institute of Chartered Accountants, Moorgate Place, London, E.C., Mr. J. M. Bush (chairman and managing director) presiding. In moving the adoption of the report (*C. & D.*, June 12, p. 779) said that apart from the loss incurred through fire at their Widnes works in July last, profits had been adversely affected by the unsettled industrial conditions in many countries, and also by severe competition in a number of fine chemicals made by the company. Prohibitive tariffs, political disturbances and depreciated and fluctuating foreign currencies have each played their part. Time will probably find a solution of political and currency troubles, but they would have to rely solely upon themselves to meet competition successfully. In this connection the company had made satisfactory progress in improving the efficiency of their processes and plant during the year. Improvements, however, entail the expenditure of a considerable amount of money, and they did not receive the full benefit of outlay during the period covered by the accounts. In the restoration of their Widnes works they have been able to effect considerable improvements in the lay-out of plant, which would assist in lowering the cost of production of the chemicals manufactured there. Mr. Ferdinand Bush seconded the resolution, which was carried unanimously. Dr. P. C. C. Isherwood, O.B.E., Ph.D., F.I.C., was re-elected a director of the company.



CONSTANTINOPLE.—*Droguerie Centrale d'Orient, Ltd., Branch at Kadiköi on the Asiatic side.*

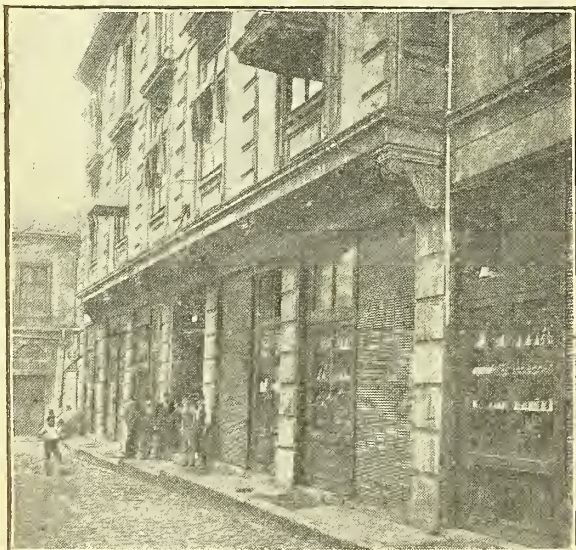


CONSTANTINOPLE.—*Droguerie Centrale d'Orient, Ltd., Branch at Galata on the Asiatic side.*

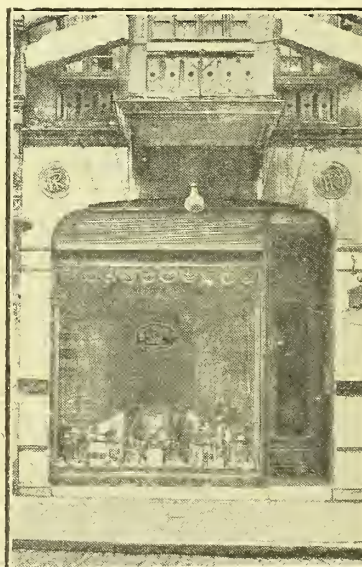
Constantinople Drug Stores

LEGISLATION dealing with the traffic in drugs in Constantinople was first introduced some forty years ago. Up to that time the famous Egyptian Bazar, in the rue Balik Bazar in Stamboul, had for close on three centuries enjoyed a practical monopoly of the trade in drugs in consequence of the privileges granted by former Sultans; to-day this Bazar is reduced to a few stalls only, chiefly vendors of herbs. Crowded together in this Bazar were over fifty shops, in which herbs, roots, seeds and drugs from Asia, Arabia and India, spices, coffee, tea and sugar were stocked side by side with varnishes, arsenic, corrosive sublimate and various other innocent as well as dangerous chemicals. These dealers, many of them rich men, possessed no technical knowledge whatsoever of the goods which they handled, but were nevertheless keen business men, and, in spite of the proximity of competition, were on excellent terms with

each other. The pioneers in the organisation of the wholesale drug trade in Turkey on Western lines were Francesco Della Sudda, Ohanida and V. Zanni, followed later by Tshoban Oglou, Sinapian, Raphael Camli, Mesiki, Alikian and V. Kassapian. Following the introduction of a pharmacy law in 1860, the pharmaceutical corporation insisted upon the necessity of regulating the wholesale as well as the retail traffic in drugs, with the result that an order was issued in 1885 dealing with the sale of drugs and medicinal herbs outside pharmacies. New regulations are at present under consideration providing that every drug store must be in charge of a qualified pharmacist. In the meantime, the Government is taking active steps to prevent agents of foreign firms from holding stocks and supplying drugs and pharmaceutical products on their own account (*C. & D.*, February 6, p. 178). In 1921 an Association of Druggists



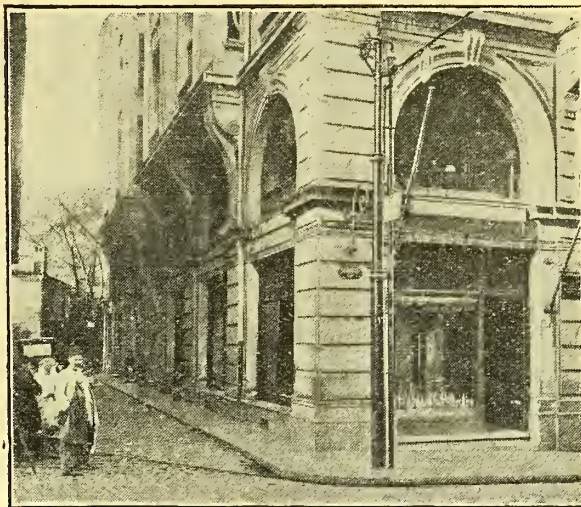
CONSTANTINOPLE.—*Droguerie Centrale d'Orient, Ltd., Head Offices in Khorassandjian Han, Stamboul.*



CONSTANTINOPLE.—*Droguerie Centrale d'Orient, Ltd., Branch at Pera, where the embassies and principal hotels are situated.*

was formed, which already during the occupation of Constantinople by the Allied troops undertook a successful agitation for the suppression of the illegal traffic in narcotics, which had become a veritable scandal, largely in consequence of the Russian immigration. Mr. H. Lafontaine, a British subject, Director of the *Droguerie Centrale d'Orient, Ltd.*, and a member of the council of the Druggists' Association, together with MM. Ekrem and Nedjib, succeeded in inducing the Turkish Board of Health to introduce the registration of narcotics, as well as the formation of a commission to deal with complaints emanating from pharmacists and from druggists regarding the delimitation of their respective business spheres.

There are at present in Constantinople about seventy drug stores, forty of which, the more important, are to be found in the Turkish business quarter of Stamboul, all of which are doing well. Many of their owners made large fortunes during the war and during the Armistice, largely in consequence of the fact that they were able to secure large supplies of chemicals from Germany, free of transport and custom charges, and when the German troops had to leave Constantinople hurriedly they succeeded also in acquiring the immense stocks accumulated by them at derisive prices. Undoubtedly the most important drug store in Constantinople is the *Droguerie Centrale d'Orient, Ltd.*, with its head offices at Khorasandjian Han, Stamboul, founded in 1913 with a capital of £100,300. Following the absorption of several other concerns, including the *Droguerie V. Kassapian*, it was transformed in 1924 into a Turkish company, with a capital of £200,000. The director, Mr. Hugh Lafontaine, belongs to an English family long established in Turkey. This business has branches in various parts of Constantinople, several of which are shown in the accompanying illustrations. MM. Ekrem and Nedjib, 14 Neydanjik, Stamboul, who are qualified pharmacists, were the first to establish an essentially Turkish drug store twenty years ago. M. Hassan Bey, 32 Rue Baghche Kapu, Stamboul, who formerly owned a pharmacy, is now the proprietor of a flourishing drug store regarded as a model Turkish business. The older drug stores, which belonged to Armenians or Greeks, have now, with few exceptions, disappeared. The old-established wholesale drug house of Raphael Camhi still carries on business, but is now more interested in financial transactions. During the past few years MM. Sissa-Benbassat, 10 Rue Beghirdgiler, Stamboul, and Moses Paraly, 6-8 Hamidie Turbessi, Stamboul, have also succeeded in building up important drug businesses. The offices of the secretary of the Constantinople Druggists' Association are at 20 Germania Han, Stamboul.



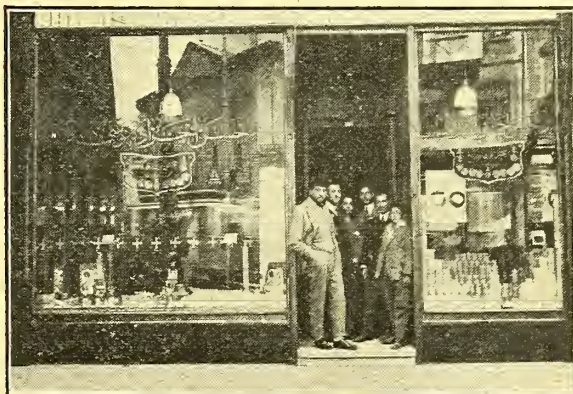
CONSTANTINOPLE.—*Droguerie Centrale d'Orient, Ltd.*, Branch at the Tunnel, adjoining the station of the cable railway connecting Galata with Pera.



CONSTANTINOPLE.—M. Hassan Bey in his model Turkish drug store.



CONSTANTINOPLE.—*Droguerie Centrale d'Orient, Ltd.*, Branch in the Rue Baghche Kapu, Stamboul.



CONSTANTINOPLE.—The drug store of M. Hassan Bey.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

ENGLAND AND WALES

Local Reports

Bournemouth.—The annual report of the Insurance Committee states that on January 1 there were 50 pharmacies on the panel list. The prescriptions dispensed by chemists during 1925 numbered 111,689, the total value being £4,403 10s. 6d. In the previous year there were 99,996 prescriptions dispensed, the value being £3,923.

Devon.—At a meeting of the Insurance Committee, on June 7, it was reported by the South-Western Joint Pricing Committee that the number of scripts received from chemists for pricing during 1925 was 2,431,358 for the whole area, against 2,311,601 in 1924. The total for Devon was 298,085, against 294,087 in the previous year. The number of prescriptions for the whole area was 3,080,296, against 2,874,848 in 1924, the Devon totals being 388,867 in 1925 and 377,322 in 1924. In addition to these prescriptions, the number of scripts other than chemists' for the area increased from 2,365 in 1924 to 8,856 in 1925, several practitioners having elected to have dispensed prescriptions by themselves priced on the basis of the drug tariff in lieu of receiving drug capitation fees. The total amounts of the chemists' accounts for the year were £114,798 8s. for the area, against £107,690 15s. 11d. in 1924. For Devon the totals were £15,129 12s. 5d., against £14,713 11s. 1d. These figures were divided as follows: Ingredient costs for the area, £57,130 6s., and for Devon, £7,857 4s. 5d.; dispensing fees, £57,668 2s. for the area, and £7,272 8s. for Devon. The non-chemists' prescriptions were priced at £714 8s. 10d. The cost of medicines per insured person for the year was as follows: Whole area, 35.6d., compared with 34.1d. in 1924; and for Devon, 41.7d., compared with 41.4d. The total cost of pricing prescriptions worked out as follows: Total cost for area, £3,699 18s. 5d., against £3,693 12s. 7d. in 1924; and for Devon, £471 15s. 10d., against £485 11s. 6d. The total cost of pricing prescriptions for the year worked out at £1 4s. 11d. per 1,000, this including the cost of special investigation work, which represented an expenditure of 4s. 6d. per 1,000 scripts. The corresponding figures for 1924 were £1 5s. 11d. gross and 19s. 7d. net. The Retail Pharmacists' Union examined about ten per cent. of the scripts, as in previous years, the percentage of error, on balance, for the year 1925 being 0.044, as compared with 0.069 for 1924.

Middlesex.—The bi-monthly meeting of the Insurance Committee was held on June 7, Mr. J. D. Cooper (chairman) presiding. The Finance and General Purposes Subcommittee recommended the following payments for drugs:—To chemists (February accounts), £5,743 2s. 4d.; ditto (March accounts), £5,918 10s. 7d.; to the Middlesex Pharmaceutical Society (on account of expenses), £250. The accounts were passed. The Subcommittee also recommended that their action in debiting to the Drug Fund the amounts paid to chemists in certain cases, amounting to £3 1s. 2d., and refunding the moneys to the insured persons by whom they were paid, be confirmed. The action of the Subcommittee was approved. The Subcommittee further reported that they had considered correspondence with the Ministry of Health, the Public Control Department of the Middlesex County Council, and the Pharmaceutical Committee, and have arrived at a point where it is considered a scheme satisfactory to all concerned can be arrived at for the testing of drugs. The clerk had been instructed to prepare a scheme, which will be submitted for approval in due course. They had considered the annual report for the year 1925 of the Joint Committee for Pricing Prescriptions (South-Eastern Division), a copy of which had been supplied to every member of the Committee. They had also considered the estimated expenditure of the Middlesex Pharmaceutical Committee for the current year, amounting to £800, and recommended that it be approved. The report of the Committee was adopted. It was reported that there are 344 chemists on the panel.

Northamptonshire.—At a meeting of the Insurance Committee, recently, the question of dispensing in the rural areas was brought up by Dr. Dryland, who moved: That the Dispensing Subcommittee be reconstituted, with a view to reconsidering the regulation which governs the dispensing of medicine in rural areas. He said that the matter was one of urgency. The work of dispensing in the rural areas had become exceedingly complicated and difficult. He was afraid that one day a doctor would dispense medicine which ought to have been got from a chemist. Then the doctor would get reprimanded and perhaps fined for doing wrong, when it was not his fault. Mr. Hitchman, speaking on behalf of the chemists, said it was time this question was settled. If the insured persons carried out their duties as they should do, it would be easier for the doctors and the approved societies. The resolution was carried.

Portsmouth.—At the recent monthly meeting of the Insurance Committee payments to chemists for March, amounting to £1,111 15s. 6d., were approved. This sum constitutes a record; the previous highest amount paid in any one month was £946 6s. 7d. for February. The Clerk (Mr. H. C. Sawyer) remarked that the prescriptions made up in this area last year numbered 260,000, whereas a few years ago the number did not exceed 130,000. With regard to the first case arising out of the drug-testing scheme, the Pharmaceutical Service Subcommittee reported that the analyst's certificate in respect of a certain sample of medicament showed that an excess of 12 per cent. of the principal ingredient was dispensed. The chemist attended before the subcommittee, and said he had ascertained that an error had been made in the dilution of the stock solution from which the ingredient was taken. The current B.P. provided for a standard dilution of the ingredient in question to be 6 per cent. weaker than under the previous pharmacopœia, and this change of strength would account for one-half the ascertained error if the wrong basis of dilution had been adopted. The chemist expressed his regret. The Committee resolved that the report be sent to the chemist and the Ministry of Health, and that the chemist be requested to take steps to avoid a repetition of the error.

Surrey.—At a meeting of the Insurance Committee, held on May 26, the Pharmaceutical Services Subcommittee reported that, up to and including January 1, twenty tests of medicines and six of appliances had been taken. Of these, eight were referred to the Subcommittee. Six further tests submitted to the analyst were not yet reported on. The following were the cases: (1) A sample of boric lint was deficient in superficial area and had an excess of boric acid. The Committee recommended that as the sample was dispensed in good faith as received, that the explanation be accepted. (2) A ferri ammon. cit. mixture was found to be deficient to the extent of 56.8 per cent. of the salt. The firm explained that the dispenser had read 2½ gr. instead of 7½ gr. The firm was cautioned. (3) A mist. pot. bromid. had an excess of 38.8 per cent. The firm explained that probably a drachm weight had been used instead of a scruple weight, and was cautioned. (4) A mist. ferri et ammon. cit. mist. had an excess of 23.6 per cent., and the firm was cautioned. The chemist explained that the mixture was dispensed from a solution. (5) In a similar mixture the chemist read the 7½ gr. as 1½ gr., and the Committee agreed that the mistake was not unreasonable, and no action was taken. (6) A mist. pot. brom. was found deficient to the extent of 11.1 per cent. of potass. brom. and of 61.7 per cent. of ammon. carb. The chemist, who was cautioned, stated that the prescription was dispensed by a lady assistant whose health was bad, and who should not have been dispensing. (7) An unsatisfactory packet of boric wool was supplied, and the Subcommittee considered that some difficulty may have been caused in view of the prescription ordering a medicated wool not much in demand. It would appear that at the present time the tendency is to use aseptic wool instead of antiseptic. The chemist was cautioned. (8) A mist. pot. brom. was found deficient to the extent of 65 per cent. of ammon. carb. The chemist was reprimanded. Three chemists have joined the panel and two have withdrawn.

Summer Outings

Rhyl Chemists' Picnic

THE Rhyl Branch of the Pharmaceutical Society held their annual picnic on June 10, when between thirty and forty pharmacists and friends journeyed by motor over the Denbigh Moors to Cerrig-y-Druidion. In spite of adverse climatic conditions, the company thoroughly enjoyed the beauties of the scenery. Some time was spent, after a capital repast at the Saracens Hotel, in dancing in the ballroom. A vote of thanks was afterwards passed to the President and secretary for their admirable arrangements.

Birkenhead Chemists' Outing

THE Birkenhead and Wirral Pharmacists' Association and Branch of Pharmaceutical Society held the annual summer excursion on June 10, when about 40 members and friends enjoyed a trip to Beeston Castle. There the party made the most of their time viewing the ancient remains of the Castle and the beauties of the grounds. One of the main features was an antiquated "well" of a depth of over 300 ft., a lantern being lowered by one of the keepers so that the party could observe the depth and the nature of the structure. An excellent tea was afterwards served in the Castle grounds.

West Kent Motoring Trip

THE West Kent Pharmacists' Association held the annual outing on June 9, when a well-filled motor-coach left Bromley Market Place at 2 p.m., bound for Penshurst. The journey was made through Addington, Sanderstead and Warringham villages, and at Penshurst the fine old historic building, Penshurst Place, was visited and its treasures, which included ancient furniture, carvings, pictures, tapestry, and armour, were inspected. The party at this time welcomed Mr. and Mrs. French, of Sittingbourne, who had motored over. After tea the return journey was made *via* Ightham, Seal and Riverhead.

Thames Valley Picnic

THE Thames Valley Pharmacists' Association held their summer outing on June 6, when a party of about twenty-five journeyed by private cars, owned by the members and their friends, and had a picnic among the hills of Surrey and Sussex. The meeting place was at Esher, the party proceeding to Midsurst, where they called a halt for lunch. Continuing the journey, Summer Den was reached, where arrangements had been made for tea to be served. After tea the party wended homeward, which was reached in good time. The arrangements had been made by Mr. C. B. Harrison, the former secretary. Among the party were Mr. H. E. Clement (President) and Mrs. Clement, Mr. and Mrs. Harrison, Mr. and Mrs. Alfred Higgs, Messrs. Goode, Moss, Minter, Thomas, Gray, and others.

Visit to Herb Farm

THE Ipswich and Suffolk Branch of the Pharmaceutical Society visited, on June 9, the herb farms and laboratories of Stafford Allen & Sons, Ltd., at Long Melford, when over sixty members from Ipswich made the journey via Boxford and Sudbury in two charabancs and a few private cars. Mr. G. Stafford Allen conducted the party over various fields containing belladonna, digitalis, henbane, lavender, peppermint and other plants, and explained the methods of growing and harvesting the crops. After the fields had been inspected the visitors proceeded to the Bull Hotel, where tea was waiting. A tour of the drying sheds and laboratories had to be omitted from the programme. At the hotel, about seventy-five people sat down to an excellent repast, including Mr. C. Smalley, the President of the branch, who, after the meal, expressed thanks to Messrs. Stafford Allen for their kindness, and Mr. Dean responded. A visit was made to Long Melford Church, and the vicar (the Rev. H. R. S. Bree) gave the visitors a very pleasant half-hour by explaining the beauties of the structure. A 9 p.m. a start was made for home, the company having quite a musical send-off from a band which had assembled on the green.

Bradford Chemists' Outing

THE annual excursion of the Bradford Branch of the Pharmaceutical Society took place on June 9. This was in the form of a half-day motor coach and walking outing, attended by some fifty members and ladies. The party, in charge of Mr. J. Cooper, President of the Branch, left Bradford in two motor char-a-bancs shortly before 2 p.m., and travelled to Ilkley and along the beautiful Wharfedale route via Bolton Abbey, Barden Tower, and Burnsall, to Grassington, the small and ancient capital of the Upper Wharfedale lead-mining area. At Grassington the visitors left the coaches and, under the guidance of Mr. Marmaduke Firth—an ex-president who knows the district well as a naturalist—undertook a very pleasant ramble along the river banks to the Ghaistrills Strid, and round by the richly vegetated grass woods to the village. Tea was served at the Wilson Arms Hotel, and the return drive, via Cracoe, Rylston and Skipton, brought the travellers back to Bradford about 10 p.m., after a very delightful excursion.

A Botanical Excursion

THE Edinburgh Chemists', Assistants' and Apprentices' Association held the third botanical excursion of the session on June 2, when upwards of fifty members travelled by train to Balerno, under the leadership of Mr. Andrew Howison, M.A., B.Sc., lecturer on botany, Heriot Watt College. Before proceeding to the moor, Mr. Howison explained the ecological features which would be seen during the excursion. The different zones found in hedgerows, and due to absence or presence of light, were indicated. It was explained that the moor was formerly a forest. Typical moorland plants were explained, such as orchids, heather, etc., in the roots of which were found mycorrhiza caused by the occurrence of a fungus in the roots of plants which usually do not develop root hairs, and insectivorous plants, such as sundew and butterwort. Plant associations of the roadside, the reservoir, the woodland, and the moor were pointed out as they occurred. Among plants not collected in previous excursions were *Calluna palustris*, *Cardamine pratensis*, *Viola canina*, *Polygala vulgaris*, *Cerastium vulgotum*, *Claytonia perfoliata*, *Lathyrus Aphaca*, *Potentilla Tormentillo*, *Drosera rotundifolia*, *Myrrhis odorata*, *Lonicera Caprifolium*, *Centourea nigra*, *Pedicularis palustris*, *Populus alba* (female catkins), *Listera orata*, *Potamogeton natans*, *Eriophorum vaginatum*, and *Pinus sylvestris* (staminate flowers).

New Books

Abrial, Cl.—*Culture de la Rhubarbe Française*. 9½ in. by 6½ in. Pp. 12. Francs 3. Office National des Matières Premières Végétales pour la Droguerie et la Parfumerie, 12 Avenue du Maine, Paris. [Deals in detail with all aspects of the cultivation of *Rheum Rhoponticum*: Choice of suitable soil, and its treatment, propagation of the plant, collection and desiccation of the roots. Two illustrations of the rhubarb plantations at Châteauneuf d'Isère are included.]

Gatin, C.-L. *Dictionnaire Aide-Mémoire de Botanique*. 7½ in. by 4½ in. 70 francs. Pp. 866. Paul Lechevalier, 12 rue de Tournon, Paris (VIe). [This is a polyglot dictionary of current botanical terms in French, English and German, arranged in alphabetical order. The articles explaining these terms, under their French designations, are in French, and the same course is pursued with regard to the brief general descriptions of plant families and species which are also included. In the case of English and German terms the French equivalent, or for popular names of plants the Latin designation is given under which the explanatory notes will be found. Although primarily designed for the use of French students, to assist them in reading foreign botanical publications, the work should prove equally useful to English students possessing a knowledge of French when confronted by some unfamiliar botanical term in French or German. The wide range of terms selected for inclusion in this dictionary, over 30,000 in four languages, testifies to the care and work taken in its compilation.]

Sporting Events

In the first round of the "Club Team Tournament" of "The Script" Sports Club, East London entertained North London on the Red Triangle bowling green (Plaistow) on June 10. The Northerners led throughout the match and won comfortably, the scores being:—

Eastern.—W. Armitage, W. Wood, A. Styles, — Lawrence (skip), 10.

Northern.—G. Tranent, D. Anderson, J. Downing, G. D. Bowie (skip), 24.

In the preliminary round of the singles championship J. Downing (Northern) entertained G. F. Barratt (South-Western) on the Mansfield bowling green on June 9, when G. F. Barratt won a good game by 22 points to 14.

The second annual sports day held in connection with the Athletic Association of Taylor's Drug Co., Ltd., took place on June 9 at St. Ann's, Leeds. There was a record attendance. The following are the results:—

100 Yards Handicap (Men): H. Cryer; (2) L. Oates; (3) F. Kingham.

80 Yards Handicap (Ladies): Miss P. Watson; (2) Miss M. Aveyard; (3) Miss M. Metcalf.

Sack Race, 50 Yards (Mixed): Miss L. Colbeck; (2) Miss C. Leyland; (3) Miss V. Herbert. Men: L. Barrett; (2) C. Elliott; (3) H. Wormald.

Veterans' Race, 60 Yards (Men): J. Goddard; (2) G. Pickard; (3) J. E. Garnett.

120 Yards Handicap (Ladies): Miss P. Watson; (2) Miss A. Gatehouse; (3) Miss V. Herbert.

120 Yards Handicap (Youths under 18): H. Gray; (2) S. Thompson; (3) S. Daniels.

220 Yards Handicap (Men): L. Oates; (2) J. H. Hook; (3) A. Jefferson.

Obstacle Race (Men): L. Barrett; (2) F. England; (3) L. Townsend.

High Jump (Men): H. Russell; (2) J. Macrae; (3) F. Kingham.

High Jump (Ladies): Miss C. Leyland; (2) Miss I. Vail; (3) Miss L. Townsend.

Two-mile Race: H. J. Lamb; (2) G. Bottomley; (3) H. Wormald.

The Armitage Cup was won by the warehouse staff for the second time.

The fourth annual competition between the Aberdeen and Dundee Pharmacists' Golf Clubs for the Cartwright trophy took place on the Edzell course on June 9. The course, which nestles in the midst of the Grampians, was in ideal condition. Aberdeen won the trophy by 10½ matches to 7½. The following are the details:—

<i>Aberdeen</i>		<i>Dundee</i>	
H. Bremner	1	C. Millburn	0
D. G. Hughes	1	J. Robertson	0
J. Forsyth	0	E. Allardyce	1
A. W. H. Marr	1	A. Y. Barrie	0
W. S. Taylor	1	P. Kelly	0
H. M. Dugan	1	C. Stephen	0
M. G. Duncan	0	J. P. Ferrier	1
J. Farquhar	0	F. W. Bennet	1
T. Milne	0	J. Whyte	1
J. Michie	½	J. Ferguson	½
A. C. Bonner	0	J. Robertson	1
F. W. Paterson	0	C. Duncan	1
P. Murray	0	F. Johnstone	1
W. G. Mitchell	1	A. Miller	0
A. G. Beattie	1	J. Thomson	0
W. J. Hendry	1	H. B. Robertson	0
J. McBain	1	A. Robertson	0
G. Mackay	1	B. Robertson	0
Total	10½	Total	7½

Each club has now won the trophy twice. Ladies were present for the first time, and at tea Mr. Charles Stephen, captain of the Dundee team, welcomed them. The toast of "The Ladies" was given by Mr. Farquhar, and was responded to by the Rev. Mr. Duncanson, Glasgow. Mr. J. W. Logan (Messrs. Cartwright) presented the cup to the Aberdeen team, and Mr. H. M. Dugan (captain) made a suitable acknowledgment. The speeches throughout the evening were interspersed with much-appreciated stories.

The London Chemists' Golfing Society visited the West Surrey golf course on June 13, and spent a very enjoyable day. Captain H. W. Bartlett, M.C., was the winner of the Burgoyne cup, Mr. H. D. Roffey won the Hepburn shield, and Mr. T. W. D. Turner won the Carmichael trophy. Some of the leading scores are as follows:—

<i>Medal for the Burgoyne Cup</i>		<i>Bogey for the Shield and Trophy</i>	
H. W. Bartlett	81—3=78	H. D. Roffey	2 down
R. C. Green	92—10=82	T. W. D. Turner	5 "
D. J. Parry	91—9=82	J. Deas	6 "
H. D. Roffey	97—14=83	Dr. J. Skelley	7 "
J. Jones	92—9=83	R. R. Coates	10 "
R. R. Coates	104—16=83	F. C. Jones	11 "
Dr. J. Skelley	104—14=90	C. E. Harrod	12 "

The fifth annual sports meeting of the Eno Recreation Club was held at their sports ground, Catford, on June 12. During the morning showers interfered once or twice with the programme; but the afternoon was fine, and there was keen competition for each of the forty-two events. The "Allhusen Cup" for gentlemen's



MR. H. AYRES WINNING THE 220 YARDS HANDICAP

team work was won from the City Office by the Works with 73 points against 40, as also the "Swinfen-Brown Bowl" for ladies' team work, with 63 points against 26. The prizes were presented by the Countess Marie Van den Heuval, whom Mr. J. H. H. Boyd, the works director, in a speech of welcome, thanked for attending, especially in view of her recent illness and the unsettled state of the weather.

Among the prize-winners was Mr. H. Ayres (Works), who won the individual championship cup for gentlemen, due to his victories in the 100 yards, 220 yards and long jump; while Mr. F. Coombes (Works) and Mr. F. Fisher (City Office) tied for the second championship prize. The ladies' individual championship prize was well won by Miss Boon (Works), with Miss Darling (City Office) a good runner-up. As in previous years, luncheon and tea were served in a large gaily-decorated marquee, and everything passed off satisfactorily. Music was supplied throughout the day by the British Legion Headquarters military band. Later there was dancing in the Club's fine pavilion, which was opened last year.

The annual meeting of the Manchester and Liverpool golfing pharmacists took place at Sandiway golf course on June 9. The competition was for the honour of holding the Gibbs challenge cup and winning the beautiful replicas of the cup. Manchester, who have won it every year since it was offered for competition, were again successful, this being the fourth time. The margin was very narrow this time, being only five points. The

weather conditions were ideal, and the course (one of the finest in the United Kingdom) was in splendid condition. The following were the scores:—

Manchester		Liverpool	
Aves	92-15=77	Alder	86-13=73
Bostock	99-20=79	Jewell	87-8=79
Crabtree	97-15=82	Derrick	108-24=84
Burton	98-15=83	Duncan	100-15=85
Sturdy	100-16=84	Jones	104-19=85
Miller (capt.)	97-12=85	Fairbairn	94-9=85
Collins	88-2=86	Cole	111-24=87
Edwards	102-16=86	Lloyd	111-22=89
	662		667

After a delightful afternoon's play the party adjourned to the Blue Cap Hotel, where high tea was served.



Photo]

[Cleworth.

After tea Mr. A. J. Pidd, President of the Manchester and District Pharmacists' Golfing Society, took the chair. In the first place he handed back to Mr. Gerard Gibbs the trophy which he, as the president of the winning team, had had care of during the past twelve months. Mr. Gerard Gibbs, who was given a very hearty reception, then presented the trophy to the President (Mr. A. J. Pidd), and paid a tribute to the Manchester team. Without in any way disparaging the abilities of either team, the result was so close that either team might have won, and he candidly thought it was the turn for Liverpool. Perhaps they would have better luck next time. A hearty vote of thanks was accorded to Mr. Gibbs for coming specially from London, and also for the magnanimous manner in which Messrs. D. & W. Gibbs had acted in giving such handsome replicas each year in this competition. A special prize was given by Mr. R. Hill (representative of D. & W. Gibbs, Ltd.) for competition for those who played, but did not qualify for entry in the Gibbs challenge trophy competition. This was won by Mr. J. H. Franklin with a net score of 79. Mr. Hill was warmly thanked for his generosity in providing this prize.

QUICK WORK.—A Midlands correspondent (28/4) writes: "An incident recently related among the *C. & D.* English news, in which a chemist was surprised at being asked by a stranger if his business was for sale, recalls a local case in which a stranger called on a similar errand and the pharmacist fixed what he thought a super value. The man forthwith wrote out a cheque for deposit value, and three days afterwards the new owners were in possession."

ZANZIBAR BEESWAX RE-EXPORTS from the Protectorate show a considerable decline; in 1925 they were valued at only Rs. 9,577, against Rs. 76,684 in 1924; Rs. 81,626 in 1923; Rs. 1,54,004 in 1922; and Rs. 74,096 in 1921. The re-exports in 1925 were 103 cwt. (56 cwt. from Tanganyika and 32 cwt. from Portuguese East Africa). The United Kingdom absorbed 11 cwt.; Germany, 58 cwt.; Holland, 11 cwt.; France, 9 cwt.; and Belgium, 13 cwt.

Association Affairs

Ealing.—On the invitation of T. Illingworth & Co., Ltd., a party of forty members of the Ealing Pharmacists' Association paid a visit to Illingworth's photographic works at Park Royal, near Willesden, on June 9. The party was received by Mr. T. M. Illingworth (managing director), and a photograph was taken of the group. The visitors were then divided into four sections and shown round the works under the able guidance of Mr. T. Midgley Illingworth, Mr. H. J. Kranshaur (business manager), Mr. A. G. Crossley, and Mr. G. Taylor (chemists) respectively. Afterwards the members of the Association were entertained to tea, and each one was



presented with an artistic wallet containing photographic literature, sample prints and a half-plate photograph of the members of the Association themselves taken on their arrival. On show in the tea room was an enlargement of the same group. Mr. Lawman (President of the Association), in proposing a vote of thanks, said, works visits are a good form of advertising, as they were free from exaggeration; all the cards were on the table. He felt that all those present who were photographic dealers would go away and confidently recommend Illingworth & Co.'s products, not only because these are British made, but because of what they had seen.

Edinburgh.—The Edinburgh Chemists' Assistants' and Apprentices' Association held the fourth botanical excursion of the summer session on the evening of June 11, when upwards of thirty members, under the leadership of Mr. Colin Gunn, travelled by train to Craighleith. The company proceeded by Blackhall to the old marle pit, which is a favourite resort, for nature students. The stagnant water which fills the pit provides a natural home and environment for many land and water insects and birds, as well as the characteristic pond flora. Mr. Gunn was an enthusiastic and efficient leader, with an intimate knowledge of the local flora. Among plants not collected in previous excursions were *Sisymbrium Alliaria*, *Agropodium Podagraria*, *Solanum tuberosum*, *Veronica Beccabunga*, *Rumex obtusifolius*, *Fagus sylvatica*, *Salix triandra*, *Iris Pseudacorus*, and *Equisetum palustre*. On the motion of Mr. Eric Knott, President, a cordial vote of thanks was awarded to Mr. Gunn. The Association's Cumming practical pharmacy prize (value £1 1s.) has been awarded to Mr. Stanley J. Fleming (pupil of Mr. George Lunan) and the President's prize in the same competition (value 10s. 6d.) to Mr. J. J. Aitken (pupil of Mr. J. H. Tainsh).

Glasgow.—The annual business meeting of the Glasgow Pharmacy Club was held in the rooms, 165 Hill Street, on June 4, Mr. Robt. Dickson presiding over a good attendance. The secretary's report showed that the various sections of the club had maintained a healthy activity throughout the season, and the treasurer's statement a credit balance. The office-bearers for the ensuing year were appointed as follows: *Honorary President*, Mr. Geo. Mackay; *President*, Mr. W. J. Moffat; *Vice-Presidents*, Mr. Jas. Abbott and Mr. D. G. Mackenzie; *Librarian*, Mr. Alex. MacSween; *Secretary*, Jas. McGillivray; *Assistant Secretary*, Jas. Climie; *Treasurer*, Miss Mary Bain.

M. I. MOSCICKI, the new President of the Polish Republic, at the time of his election was professor of chemistry in the technical high school of Lwow (Lemberg).

The Storage of Eggs

SPECIAL Report No. 26, issued by the Department of Scientific and Industrial Research, concerns "Food Investigation," and is entitled "The Storage of Eggs." It is obtainable from H.M. Stationery Office at the price of 1s. 3d. net. The report relates to eggs in shell, of which 4,332,000,000 were consumed in Great Britain during 1922. Of these 40 per cent. were home-produced, 22 per cent. imported from the Irish Free State, and 38 per cent. from other countries overseas. The average price varied from 13d. per dozen in April (1923 and 1924) to 42d. per dozen in November of the same years, a variation unknown in any other staple food. An efficient system of cold storage is the only means of securing some degree of equability in price by storing surplus produce at the time of maximum productivity. The report embodies much useful general information concerning cold storage of eggs. Evidence collected by the Board would seem to afford conclusive proof that the egg industry would benefit by the erection of small cold stores for receiving home produce. Owners of cold stores for fruit are also anxious to utilise for eggs space which becomes available in summer. Part I of the Report (sixty-one pages) is highly practical and critical in regard to commercial methods of handling and storing eggs. With a delicate foodstuff such as eggs, the quality after storage may lead to large financial loss, since contamination from a single egg may rapidly affect a large number. Hence "clean" eggs is first in order of importance, and it is also preferable that such eggs are not only fresh (i.e., not more than a week old), but that they have never been exposed to a temperature higher than 60° F. "Candling" is recommended as a reliable means of ascertaining the freshness of eggs and also of determining whether eggs are unfit for storage owing to cracked shells or air cracks in the membrane lining the eggshell, as these are generally attacked by mould growths. Containers suitable for storage of eggs must be (a) clean, (b) moisture proof, (c) odourless, (d) and permit free circulation of air. The store temperature must be maintained within limits of 0° to 0.6° C. (32° to 33° F.), with a humidity kept constant at 80 per cent. to minimise loss of weight of eggs owing to evaporation. Nine plates (with twenty photographs) are included in the report to illustrate appearance of eggs on "candling," lamps for candling, and proper type ventilated storage crate. The latter is essential, since free circulation of air over the surface of individual eggs is necessary if mould growth is to be avoided. Ventilation also delays the development of "storage taste" and absorption of volatile odours from packing material. In "depositing" of eggs after removal from cold store this must be done gradually so that the eggs do not "sweat." Humidity and air circulation are the chief factors controlling the successful storage of eggs providing cooling is adequately controlled. Four methods of refrigeration are described, and dimensions of suitable storage plant for three million eggs, including estimated heat loss (=about 33 calories, or 130 B.T.U.'s per 10,000 eggs per hour over a period of eight months' storage). An appendix to Part I includes particulars relating to storage of eggs in water glass and lime water. Fundamentally this form of preservation requires a certain degree of cold (in a cool place between 33° to 45° F.). Eggs were stored for twelve months in 5 per cent. solution of water glass (consisting of approximately equal parts by weight of sodium silicate and water with sp. gr. 1.7). The taste of the eggs was excellent, and they fried and poached well, but cracked on boiling unless the shell was pierced first at the broad end. Eggs stored in lime water were not so good. The rôle played by the water glass in preserving eggs is very simple. Being a colloid the sodium silicate does not pass through the egg membrane, but within three to seven days completely seals the egg by deposition in the pores of its shell, after which there is no fear of invasion by mould or bacteria. The claim that the excess of alkali in water glass affects the flavour of the egg appears to be groundless, in view of the quick sealing. With lime water the egg would appear never to be completely sealed, and water enters the air chamber of the egg, so that it disappears and the white becomes more fluid than in eggs preserved with water glass. The efficiency of water glass and lime water as a means of preserving eggs is without question, and when used in

conjunction with a rough system of cold storage gives excellent results, the preference, according to experimental results, being in favour of water glass. Part II of the report is theoretical, and relates to the effects of low temperatures upon hens' eggs. Colloids when frozen do not, as a rule, recover their original state upon thawing. The study of egg yolk, and to a lesser degree of egg white, brings out that the rate of thawing may be as important as the rate of freezing. Under the microscope fresh egg yolk is seen to be composed of rounded masses, varying in diameter from 25 μ in the outer portion of the yolk to 150 μ towards the centre. Each mass consists of a fine ground substance containing drops of fat, which vary in size. Each mass is semi-fluid and readily breaks down, but the general appearance suggests that there is no fluid between. Rupture of these yolk masses results on freezing. There is a separation into a fluid and viscous portion, the amount of which depends both upon the absolute temperature and the time of exposure thereto. Egg yolk after freezing below -6° C. and thawing loses its normal fluidity, passing into a stiff pasty condition. This change appears to be due to the precipitation of lecitho-vitellin, which does not redissolve on warming.

Eggs quickly become sterile when stored at temperatures below 0° C., the embryo dying at about -6° C. The optimum temperature for eggs to retain their fertility is between 8° and 10° C. A feature of the report is the descriptions and explanations of the instruments for measuring the humidity of air. These include ordinary wet and dry bulb hygrometers, ventilated hygrometers, hair hygrometers, and distant reading hygrometers. The report also includes interesting details of the grading of imported eggs, which vary in average weight from 18 lb. per great hundred (120) in the case of Danish eggs to 10.8 lb. per 120 for Egyptian eggs. English eggs vary from 17.4 to 11.5 lb. per great hundred. The loss of moisture from eggs on storage is considerable, increasing with lowering of relative humidity. A humidity above 80 per cent. is impracticable, owing to encouragement of mould growth. With this as the safe limit for humidity the loss will be about 0.38 per cent. per month, or 2.68 per cent. per seven months, but this rises to 5.8 per cent. if humidity varies between 70 and 80 per cent. The necessity of careful and regular working of refrigerating systems is well brought out, and should be instructive to cold storage generally.

Colonial and Foreign News

ITALIAN SYNTHETIC CAMPHOR.—An Italian decree-law provides that oil of turpentine intended for the manufacture of synthetic camphor may be imported into Italy free of duty.

RUSSIAN BORIC ACID.—The experimental factory attached to the Leningrad Institute for Applied Chemistry now manufactures, since May 1, boric acid in addition to borax. The monthly output of boric acid is estimated at 600 poods, to be increased later to 1,000 poods.

THURINGIAN WORMSEED.—The chemical works "Soteria" in Königsee in Thuringia have undertaken the experimental cultivation of wormseed, and an area of fifteen acres has been planted with a variety of *Artemisia*, from which santonin with a melting point of 172° C. has been obtained.

DANGEROUS DRUGS IN BARBADOS.—The Dangerous Drugs Act, 1926, which is to come into force on a day to be notified by proclamation, prohibits the importation into and exportation from Barbados of prepared opium, and also prohibits, except under licence, the importation into and exportation from the Colony of the following drugs: Raw opium, coca leaves, Indian hemp or resins obtained therefrom, or any preparation of which such resins form the base; morphine, cocaine (including synthetic cocaine), ecgonine, diacetylmorphine, and their respective salts, medicinal opium, and any extract or tincture of Indian hemp, and any preparation, admixture, extract or other substance containing any proportion of diacetylmorphine or containing not less than one-fifth per cent. of morphine or one-tenth per cent. of cocaine or ecgonine.

Westminster Wisdom

Notes on Parliamentary Matters

SHEEP DIPPING

Captain D'Arcy Hall asked the Minister of Agriculture on June 10, whether he has received any representations urging that the Ministry should make general regulations for sheep dipping; and, if so, the attitude of the Government towards this question?

Mr. Guinness: I have received various representations on the question of the general Regulations for the dipping of sheep in connection with the control and eradication of sheep scab. This matter is being considered by my Department at the present moment, and I hope shortly to be in a position to announce a decision.

PRICES OF ANILINE DYES

Mr. Duckworth asked the President of the Board of Trade on June 3 the present price in this country of synthetic indigo and alizarine sky blue; and the prices at which these dyes can be obtained from Belgium and Germany?

Sir P. Cunliffe-Lister: I am informed that the present price for British synthetic indigo is 10d. per lb. for ordinary small quantities, with rebates bringing the price to 9d. per lb. for large quantities, and that the present price for German synthetic indigo is about 8½d. per lb. There is no Belgian production. As regards alizarine sky blue, I understand that only the B brand is at present manufactured in the United Kingdom, and that the price quoted is 20s. 3d. a lb., and that the present German price is between 13s. and 14s. a lb. There is no Belgian production.

CHEMICAL TREATMENT OF FLOUR

Mr. Harland asked the President of the Board of Trade, on June 4, (1) whether he will consider the introduction of legislation whereby purchasers of flour may ascertain whether they are being supplied with treated or untreated flour; (2) whether the Departmental Committee who have under investigation the question of the treatment of flour with chemical substances have yet reported; and whether the evidence and their conclusions will be presented to the House; (3) if he has knowledge whether grain is treated with chlorine gas or other chemicals before as well as after importation into this country?

The Parliamentary Secretary to the Ministry of Health (Sir Kingsley Wood), who replied, said the Departmental Committee have not yet reported, and until their report is received it is obviously not desirable to introduce legislation on the subject. The Minister of Health has no knowledge of grain being treated with chlorine gas or other chemicals either before or after importation.

TESTING OF DISINFECTANTS

Mr. Clayton asked the Minister of Agriculture on June 10 whether any protests have been received against the proposed conditions of approval by him of the disinfectants that may be employed under the Diseases of Animals (Disinfectants) Order, 1926, and more particularly against the nature of the selected test to determine the dilutions at which the approved disinfectants must be employed; and whether, as the proposed method of testing the value of these agents is one which has never been adopted by Government Departments in this or any other country, nor by the large railway and shipping, etc., companies, nor by health authorities, he will give this matter fuller consideration before taking any further action?

Mr. Guinness: The answer to the first part of the question is in the affirmative. The Chick-Martin method of testing, which is laid down by the Ministry's Regulations, is also adopted as the basis for the approval of disinfectants by the Board of Trade and by the Office of Works, and I am satisfied that this test affords the best means of judging the efficiency of a disinfectant for the purposes of the Diseases of Animals Acts and Orders.

GOVERNMENT CHEMISTS' PAY

Mr. Clynes asked the Financial Secretary to the Treasury, on June 15, if his attention has been drawn to the decision of the Industrial Court in connection with

the Government chemists, who are employed upon an agreed scale of pay; if he is aware that the Department sought to reduce the agreed amount of increments of the scale; that the Court stated that it was high-handed action on the part of the Department, and that the Department should have taken the matter to Court before taking any administrative action; and if he can give any reasons why the Department departed from the usual course of procedure?

The Financial Secretary to the Treasury replied that he had seen the decision of the Industrial Court on a claim brought before them by the staff side of the Departmental Whitley Council of the Government Laboratory regarding the rate of annual increment of chemists, Class II, in that Department, by which the Court confirm, as from the date of their award, the view of the official side of the council. The member is under a misapprehension in describing the increment and scale as agreed amounts, and the Court did not state that the action of the Department was high-handed. With regard to the last part of the question, he was unable to accept the view implied by the hon. member that the procedure adopted was irregular.

VENEREAL DISINFECTANTS

In the House of Commons, on June 16, under the ten-minute rule, Mr. Basil Peto obtained leave to introduce the Venereal Disease Act (1917) Amendment Bill to permit the sale by chemists of disinfectants for protection against venereal disease. The measure has the support of Sir William Davison, Lt.-Col. Fremantle, Dr. Haden Guest, Commander Kenworthy, Dr. Drummond Shiels, Mr. Snell, Dr. Watt and Mr. Basil Peto. Introducing the Bill, Mr. Peto said the object of the Bill was to give legislative effect to the recommendations of the Committee appointed by the Ministry of Health under the chairmanship of Lord Trevethin contained in clause 14 of their report, issued in 1923, as follows:—"We think that the law should be altered so as to permit properly qualified chemists to sell *ad hoc* disinfectants, provided such disinfectants are sold in a form approved and with instructions for use approved by some competent authority." Clause 1 of the Bill therefore amends clause 2 of the Venereal Disease Act of 1917 so far as it relates to prevention of the disease. Clause 2 of the Bill provides for the setting up of the competent authority. The speaker went on to emphasise the desirability of taking all steps possible for the prevention of this terrible disease. The only trouble was, who should be the competent authority. A great deal of evidence as to the prevention was accumulated during the late war. The annual expenditure out of taxes and rates on the treatment of the disease amounted to over £600,000, apart from the cost of maintaining in public institutions mentally deficient, paralytic, malformed and blind children, and others who were the victims of the disease and the consequent loss in national efficiency. The public should have free access to reliable preventatives against venereal disease contagion which have been tried and proved effective in the fighting services. The Bill was read a first time.

Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of any British patent can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Halogenated Alcohols.—A halogenated aldehyde dissolved in a primary alcohol is treated with an alcoholate or halogenated alcoholate of aluminium or mixtures thereof, e.g., aluminium ethylate is added to a solution of chloral in alcohol, the mixture is heated under reflux, hydrogen being passed through continuously. The alcohol is removed by distillation, and after adding sulphuric acid to the residue, the trichloro-ethyl alcohol is steam distilled. (Farbenfabriken vormals Friedr. Bayer & Co. 235,584.)

CASCARILLA bark and siftings valued at £4,823 was exported from the Bahamas during 1925.

General Medical Council

(Concluded from the C. & D., June 12, p. 780)

DISCIPLINARY CASES

The investigation of a charge against Mr. Samuel Grahame Connor, M.B., C.M., 119 Oxford Street, London, W.1, arising out of court proceedings under the Dangerous Drugs Act, 1920, was continued on June 3 and concluded on June 4. (The text of the charge was given in the C. & D., June 12, p. 780.) Among the witnesses called by Sir Travers Humphreys, counsel for the complainants, were four medical practitioners and Mr. David Evans, a pharmacist employed by Phillips' Pharmacy, Ltd. Mr. Evans produced a register kept under the Dangerous Drugs Act, containing the prescriptions supplied by Mr. Connor. After the Council had deliberated *in camera*, the President, addressing Mr. Connor, announced that the statements in the first two paragraphs of the charge (to the effect that treatment had been given otherwise than in the course of *bona-fide* practice) had not been proved. The third paragraph, relating to conviction on three summonses, had been proved. Judgment would be postponed for a year, professional and other testimony to be obtained in the interval as to conduct. The President continued:—

"This, I think, is the first case brought before the Council of a conviction under the Dangerous Drugs Act; but they have already issued a warning notice that not only convictions but contraventions which indicate bad faith, though they have not been the subject of conviction, may be dealt with by the Council as offences which, if proved, will render a registered medical practitioner liable to have his name erased from the Register. I will read to you the warning notice, which I take it you have already seen, but which I desire to read in public for the information of both the public and the profession:—

"The contravention by a registered medical practitioner of the provisions of the Dangerous Drugs Acts and the Regulations made thereunder may be the subject of criminal proceedings, and any conviction resulting therefrom may be dealt with as such by the Council under the powers given them by Section 29 of the Medical Act, 1858. But any contravention of the Acts or the Regulations, involving an abuse [and this is the important point] of the privileges conferred thereunder upon registered medical practitioners, whether such contravention has been the subject of criminal proceedings or not, will, if proved to the satisfaction of the Council, render a registered medical practitioner liable to have his name erased from the Medical Register."

"I call your attention, Mr. Connor, to the terms of that warning notice. For the convictions which have been proved against you you have already been severely punished; but the Council feel that your manner of conducting your medical practice has been such, that in respect of these convictions it is desirable that you should be put on probation for one year."

FINANCIAL REPORT

The report of the Finance Committee showed that the income of the General and Branch Councils for the year ended December 31, 1925, was £18,114 15s. 9d., and the expenditure was £12,189 3s. 5d. The proceedings concluded with a vote of thanks to the President.

The drug department of the Plymouth Co-operative Society is one of sixteen (out of thirty-four) which show an increased turnover for the half-year ended in March. The total returns were £4,793, an increase of 11.6 per cent.

"BUSINESS NAMES RULES, 1926."—Under the Registration of Business Names Act, 1916, and the Fees Increase Act, 1923, the Board of Trade has revoked Business Names Rules, 1921 (S.R. & O., 1921, No. 1029), and substituted Business Names Rules, 1926 (S.R. & O., 1926, No. 521), for Rule 11 of the Business Names Rules, 1917 (S.R. & O., 1917, No. 186). The difference between the revoked Order and the new Order is that the words (par. (e)) "... and for each certified copy or extract the sum of sixpence for each folio of seventy-two words, or in Scotland for each sheet of two hundred words" have been altered to "... and for any other entry, copy or extract the sum of one shilling."

Personalities

On June 14, Mr. W. J. Palmer, Ph.C., Rochester, and his wife celebrated their golden wedding. Until he retired in 1919 Mr. Palmer had carried on business for forty years at King's Lynn. His family of two sons and six daughters were present at the celebration, with the exception of a daughter who is in South Africa.

THE garden of Mr. F. J. Hanbury, Ph.C., "Brockhurst," East Grinstead, was visited recently by members of the Brighton and Hove Medical Association and the Brighton and Hove Horticultural Society. Mr. Hanbury received and personally conducted the visitors. The garden was described in the C. & D., II, 1915, p. 157.

MR. HUGH NICHOLAS LINSTEAD, Ph.C., who was appointed secretary and registrar of the Pharmaceutical Society at the Council meeting on June 16 (see p. 833), is the eldest son of Mr. E. F. Linstead, Ph.C. He was educated at the Ridgeway School, Enfield, and the City of London School. After matriculating in the University of London in 1917, Mr. Linstead was apprenticed with Fitch & Ibbotson, chemists, Lower Seymour Street, W.1, and studied at the Birkbeck College. In 1920 he passed the Intermediate B.A. examination, and gained further experience in retail pharmacy. He was senior Bell scholar at Bloomsbury Square in 1921, and in April 1923 he became a pharmaceutical chemist. In the following December Mr. Linstead was unanimously selected, out of 106 applicants, for the post of assistant secretary of the Society, and more recently he became deputy registrar.



MR. H. N. LINSTEAD, Ph.C.

MR. F. E. BILSON, Ph.C., who was elected President of the Pharmaceutical Society of Great Britain on June 16, served his apprenticeship at Newark, gained further experience at Brighton, and passed the Major examination in 1881. He next spent five years with John Bell & Co., Oxford Street, London, W.1, where Sir Richard Winfrey was a fellow-assistant. In 1886 he commenced business on his own account at Bournemouth. Mr. Bilson is widely known as the inventor of a mould and an improved formula for glyco-gelatin pastilles. He has been a member of the Pharmaceutical Society's Council for a considerable period, and on the resignation of Mr. W. H. Gibson from the treasurer'ship in 1918 was elected in his stead. In June 1925 he became Vice-President of the Society.

MR. HERBERT SKINNER, Ph.C., who last year gave way so as to avoid a second ballot for the vice-presidency, was elected Vice-President of the Pharmaceutical Society of Great Britain at the Council meeting on June 16. It is satisfactory that Mr. Skinner's long and unselfish services to pharmacy (using the word in its widest sense) have at length received recognition in this form. Mr. Skinner was born at Brigg, Lincolnshire, in 1868. He was apprenticed to Mr. S. Cook, Hyson Green, Nottingham, and gained further experience as an assistant in Sheffield, Burton-on-Trent, Worthing and London. He studied for the Major examination when he was in the dispensary at Guy's Hospital, S.E. For more than thirty years Mr. Skinner has been chief pharmacist at the Royal Northern Hospital, Holloway, N., which is noted among London institutions of the kind for the efficiency with which the dispensary is managed. He edits "The Script," a publication "dispensed monthly." Some time ago he accepted the secretaryship to the trustees of the Fairchild scholarship, and reorganised it on its present basis. It is interesting to note that the Leverhulme scholarships were set up on the Fairchild model. London drug-trade sports and the corresponding events of the British Pharmaceutical Conference owe much to Mr. Skinner; and the success of the North London Pharmaceutical Association is another witness to his organising powers.

Births

Notices for insertion in this column must be properly authenticated.

BARNES.—On June 5, the wife of Allan Barnes, M.P.S., 123 Blackburn Road, Haslingden, of a son.

HOWES.—At a nursing home, Selly Park, on June 14, the wife of Harold Howes, Ph.C., Stirchey and Selly Park, Birmingham, of a daughter.

TULK.—At Sloane Pharmacy, 29 King's Road, Chelsea, London, S.W., on June 15, Winifred, wife of Ronald H. Tulk, M.P.S., of a daughter.

Marriages

BARRIT-SWAIN.—At Alverthorpe Church, Wakefield, on June 9, Jeffrey Barrit, chemist and druggist, Hull, to Miss G. M. Swaine, Wakefield.

MARLAR-KNIGHT.—At Farnham, Essex, on June 9, by the Rev. J. G. Greare, rector, John, son of Mr. J. F. Marlar, chemist and druggist, Colchester, and grandson of the late Mr. John Marlar, chemist and dentist, Halstead, to Ruth Millicent, daughter of Mr. A. Knight, Farnham.

SLATER-DEAVILLE.—At St. Andrew's Church, Wolstanton, on June 1, Francis Philip Slater, M.C., M.A., M.Sc., Bollington, Cheshire, to Mary Deaville, M.P.S., Wolstanton.

Deaths

BEVERLEY.—At Hornsey, London, N., on May 25, Mr. Robert Henry Beverley, chemist and druggist, aged seventy-three. Mr. Beverley was for some years in business at Loughborough, and subsequently managed a business in High Road, Tottenham, N.17. He leaves a son, Mr. T. L. Beverley, chemist and druggist (Burroughs Wellcome & Co.).

BUCKLEY.—At Nuneaton, on June 6, Mr. John William Buckley, chemist and druggist, aged sixty. Mr. Buckley was for some years a branch manager to H. Lester & Son, chemists, and subsequently commenced business in the town on his own account. He was an accomplished organist, a founder of the Nuneaton Amateur Shakespearean and Dramatic Society, and a member of the Ancient Order of Druids. A widow and four daughters survive him. The local chemists were represented at the funeral by Mr. C. B. Baker, Ph.C., Mr. G. W. Kenney, and Mr. B. G. Goodall.

COMPTON.—Recently, Mr. Langley Spencer Compton, chemist and druggist, manager of the Paignton branch of Timothy White Co., Ltd. Mr. Compton qualified in 1911. The funeral, which took place on June 11, was attended by more than forty brethren of the Torbay Lodge.

JAMES.—At Kualalumpur, Federated Malay States, on May 30, Sir Ernest Owen James, chemist and druggist, manager of the Federal Dispensary, Ltd., aged fifty. Mr. James was a native of Newtown, Montgomeryshire, where he served his apprenticeship to Mr. Edward Owen. At the age of twenty-eight he took up a position at Yokohama, Japan, with North & Rea. Subsequently he went to Canada as a representative of S. Maw, Son & Sons, Ltd., and twelve years ago he settled at Kualalumpur.

MORRIS.—At 42 Connaught Square, London, W.2, on June 14, Sir Henry Morris, Bt., M.B., F.R.C.S., aged eighty-two. Sir Henry Morris was President of the Royal College of Surgeons in 1906-09, and President of the Royal Society of Medicine in 1910-12. He edited the "System of Anatomy" which bore his name, and while on the surgical staff of the Middlesex Hospital became a recognised authority in renal surgery and cancer.

PASMORE.—At his residence, 17 Grosvenor Road, West-cliff-on-Sea, on June 6, Mr. Walter Frank Pasmore, chemist and druggist, aged seventy-three. Mr. Pasmore carried on a pharmacy at 320 Regent Street, London, W.1, for a long period. He is survived by a widow.

PEAKE.—At 20 The Green, Twickenham, on June 10, Mr. Henry Felix Peake, chemist and druggist, aged seventy-nine.

PORTER.—At East Murton, on June 1, Mr. Andrew Bower Porter, chemist and druggist, aged sixty-two. Mr. Porter was a native of Leven, Fifeshire, where he served his apprenticeship to the late Mr. Gibson. He is survived by a widow and a son.

ROBINSON.—At Mount House, Whitby, Yorkshire, on June 10, Mr. William Prior Robinson, Ph.C., aged seventy-one. Mr. W. P. Robinson, who was a brother of Sir Richard Robinson, D.L., a past-President of the Pharmaceutical Society, had lived quietly in retirement at Whitby for fifteen years. He will be well remembered by many as a frequenter of the annual meetings of the Pharmaceutical Society and the British Pharmaceutical Conference, from which, when in good health, he was rarely absent. In 1885 he became the proprietor of the historic pharmacy founded by Henry Deane at Clapham Common, London, S.W. (which he carried on till his retirement), and previously he had been in business at Wandsworth Common. He was at one time a local secretary of the Pharmaceutical Society. Mr. Robinson, who was unmarried, had for long been partially disabled. He was of a singularly gentle and kindly disposition and a man of simple tastes, whose passing will be genuinely mourned by many pharmacists of the older generation.

STONE.—At Eastbourne, on May 31, Mr. Percy Stone, for more than thirty years with R. Sumner & Co., Ltd., manufacturing chemists, 40 Hanover Street, Liverpool, aged fifty-eight. Mr. Stone's earliest experience of business was in Chester, with Mr. W. Grindley and with Cheers & Hopley. He was subsequently for many years head of the technical portion of Messrs. Sumner's office work. About eight years ago he resigned in order to take over the management of a private hotel at Eastbourne, in which he had an interest. While in Liverpool he was a great worker for Mr. Lee Jones's "Food and Betterment Society." Gifted with a well-trained baritone voice and an attractive personality, Mr. Stone was a welcome contributor to the social functions of the Liverpool Chemists' Association. He was P.W.M. of the Stanley Lodge of Freemasons.

THOMPSON.—At "Rosemead," Potters Bar, on June 15, Mr. Henry Ayscough Thompson, a director of Willows, Francis, Butler & Thompson, Ltd., manufacturing chemists, 89A Shacklewell Lane, London, E.8, aged sixty-eight. The historic house of which Mr. Thompson had been a director since its conversion into a limited company in 1904 is an amalgamation of five old wholesale and manufacturing businesses, one of which dates back to the middle of the eighteenth century. The records of these important firms were outlined in some detail in THE CHEMIST AND DRUGGIST, II, 1924, p. 790, in an article which embodied information courteously supplied by Mr. Thompson himself. The business of which he was the head at the time of its combination with that of Willows & Francis in 1898 was founded by his father, the late Mr. H. A. Thompson, in Finsbury, E.C., in 1847. As is generally known, his name was especially identified with concentrated infusions, decoctions and liquors, he having devoted so much personal attention to perfecting them as to make his name a standard for this class of galenicals in English-speaking countries. Mr. Thompson went straight from school to his father's office in the early 'seventies, and after an interval of two years spent in the laboratories of the Pharmaceutical Society returned to a position of greater responsibility in the manufacturing part of the business. Failing health compelled Mr. H. A. Thompson, senior, to retire in 1892; his son, who had been his junior partner for ten years, then took control. The other three constituent firms of Willows, Francis, Butler & Thompson, Ltd., were Samuel Foulger & Son (absorbed by Willows & Francis—formerly Burgess, Willows & Co.—in 1883), Herrings & Co. (purchased by Willows & Francis in 1898), and Mackey, Mackey & Co. (taken over in 1901). Mr. Thompson's son, who bears the same names as his father and grandfather, has for some years been a director and secretary of the company.

WHITEHEAD.—At Bolton, Lancashire, on June 12, Mr. Harry Whitehead, chemist and druggist (see p. 811). Mr. Whitehead qualified last January.

Trade Notes

THE ERASMIC CO., LTD., Warrington, have been awarded a gold medal at the German Hairdressers' Jubilee Exhibition held in Munich last April.

ALGERIAN ORANGE FLOWER WATER.—J. L. Barthet, Rue de Constantine, Hussein-Dey, pres Alger, advertises this product, and offers to send samples and prices to applicants.

LEONA OINTMENTS.—This is a brand of ointments for which A. S. Price & Co., Ltd., Blackheath, Birmingham, are the selling agents for the retail trade. The company invite applications for samples and prices.

"OIL KEEPS US GOING" is the heading of an optimistic announcement by W. B. Cartwright, Ltd., Rawdon, near Leeds. It does one good to read such an advertisement at a time when many take to gloomy thoughts.

LAMPLOUGH'S PYRETIC SALINE.—In our advertisement pages Butler & Crispe and Heppells, Ltd., are offering a special bonus to chemists of the 1s. 6d. size of Lamplough's Pyretic Saline. The bonus of two bottles is given with an order for six bottles.

TIDMAN'S SEA SALT is now obtainable in a 4d. size from Tidman & Sons, Ltd., 69 Basinghall Street, London, E.C.2. This size is put up in cartons of two dozen, and the price of the article is protected under the scheme of the Proprietary Articles Trade Association.

FALLOWFIELD'S PHOTOGRAPHIC ANNUAL for 1926 is now obtainable from Jonathan Fallowfield, Ltd., 61-62 Newman Street, London, W.1. It consists of an A B C list of photographic apparatus and materials, which is an excellent index of the varied stock carried by photographic chemists.

CLOSED FOR STOCKTAKING.—J. C. Eno, Ltd., "Fruit Salt" Works, Pomeroy Street, New Cross, London, S.E., inform us that their works will be closed for the customary stocktaking from Monday, June 28, for a few days. Orders for delivery before this date should be posted next week.

As intimated last week (*C. & D.*, June 12, p. 779), Polak & Schwarz, Ltd., manufacturers and distillers of essential oils, Zaandam, Holland, have formed an English company to deal in the products they manufacture. Mr. K. Bohemen is a director of the company and Mr. S. R. Mansfield will act as sales manager.

OSTELIN PRESCRIPTIONS.—The proprietors of Glaxo, 56 Osnauburgh Street, London, N.W.1, have issued a four-page pamphlet for distribution to medical men, which deals with the methods of combining Ostelin in prescriptions. The dispensing notes and information on vitamins are also of use to all dispensers. Copies will be sent on application.

SPECIALITY PRICE LIST.—The Anglo-American Oil Co., Ltd., Speciality Department, Albert Street, Camden Town, London, N.W.1, have issued a beautifully produced catalogue and price list of their pharmaceutical and toilet specialities. The illustrations are excellent, and give a faithful idea of the various packings. Chemists should write for copies of the catalogue and list.

NEW CATALOGUES.—A. Boake, Roberts & Co., Ltd., Carpenters Road, Stratford, London, E.15, have issued four new catalogues dealing with the various products made by the company. One deals with fine chemicals and others with essential oils and similar products, soluble essences, and solvents, plasticisers, etc. These can be had on application.

"SAFETY FIRST IN PHOTOGRAPHY" is the title of a new photographic booklet issued by Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C.1. It deals in an interesting manner with the origins of photography and brings the reader to realise the advantages of present-day methods of manipulation compared with the cumbersome processes of last century. The Tabloid photographic products are dealt with in sufficient detail to enable a photographer to realise the convenience of this form of developer and toner.

Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1926, p. 309.

(From "The Trade-marks Journal," May 12, 1926.)

- "HETAHONY"; for medicinal chemicals (3). By W. J. Busby, Ltd., 81 Duncairn Gardens, Belfast. 468,097.
 "SINTRA"; for all goods (47). By the Sanlex Chemical Co., 141 Bath Street, Glasgow, C.2. 467,448.
 "NEXTO"; for all goods (47), and for goods (50). By J. Hill, Breadsall Mount, Breadsall, nr. Derby. 468,156/157. (Associated.)
 "L'OREALINE"; for perfumery, etc. (48). By E. Schneller, 7 bis, Rue du Louvre, Paris. 468,011. (Associated.)
 "THE MOTORIST"; for nail brushes (50). "CHIN-CHIN"; for shaving brushes (50). By Bidwell, Bidwell & Co., Ltd., Castle Mills, Castle Hill, Axminster. 468,261/361.

(From "The Trade-marks Journal," May 26, 1926.)

- "PIXIE"; for dyes (1) and (4). By Wm. Edge & Sons, Ltd., 50 Raphael Street, Bolton. 467,799/800. (Associated.)
 "FIROLAC"; for chemicals (1). By Sisson Brothers & Co., Ltd., Bankside, Sculcoates, Hull. 468,739.
 "KENMATO" and "KENGLOSSO"; for chemicals (1). By John H. Fuller & Co., Ltd., 58 Minster Street, Reading, Berkshire. 468,887/888. (Associated.)
 "CULTERYSIN BRAND" and "SERYSIPOL"; for chemicals (2). By H. R. Napp, Ltd., 3 and 4 Clement's Inn, Kingsway, London, W.C.2. 468,494/498.
 "ADE"; for disinfectants (2). By F. T. Metcalf, Newton Chemical Works, Holland Street, Manchester. 468,543.
 "SOLPEST"; for chemicals (2). By Australian Alum Co., Ltd., 109 Pitt Street, Sydney, New South Wales. 468,548.
 "M M Co. CASTOR OIL" on label device and including words, "Ask for the Blue Label" ("Blue Label" disclaimed); for medicinal castor oil (3). By The Martin Manufacturing Co., Ltd., 29 Roe Street, Belfast. 467,213.
 "BRITISH WORKMAN'S KILKOF LOZENGES" on label device with name of applicants and words, "KILL-COUGH"; for cough lozenges (3). By R. Parkinson & Sons, Curzon Street, Burnley. B 456,297.
 "ERADIKAL"; for headache and neuralgia powders (3). By J. Stewart, 44 O'Connell Street, Limerick. 465,012.
 "EBORAZO"; for liquorice (3). By Nouvelles Huileries Anversoises Société Anonyme, 112 Avenue d'Italie, Antwerp, Belgium. 468,708.
 "BIOVAR"; for medicinal chemicals (3). By Dr. Von Poehl & Sohne, Gesellschaft mit Beschränkter Haftung, Petersburg Platz 3, Berlin, O.34. 468,846.
 "PEDOX"; for a preparation for corns (3). By H. Lewis, 209 High Street, Poole. 468,980.
 "OXO"; for scientific instruments, etc. (8). By Oxo, Ltd., Thames House, Queen Street Place, London, E.C.4. 468,599. (Associated.)
 "VITASAC"; for sugar and infants' and invalids' foods (42). By R. Sumner & Co., Ltd., 40 Hanover Street, Liverpool. 468,810.
 "AUTO STROP"; for shaving soap and cream (48). By Auto-Strop Safety Razor Co., Ltd., 197 City Road, London, E.C.1. 468,287. (Associated.)

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

Q/156. Blanchard (for surgical instruments)	S/176. Keros tablets
H/116. Ioditin (not Iodipin)	S/156. Non-metallic collapsible tubes
T/96. Nithis (or Nethis) perfume	R/265. Tikitiki (East Indies preparation)

INFORMATION SUPPLIED

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.4.

Acidopholus B. G/46	Oxygenol. M/26
Cystopurin. B/56	Petrolatum. E/86
Forgenine. M/26	Santoy perfume. B/195
Heparine. S/76	Tetmal. S/46
Johnson's suspensory bandages. K/86	"Three Flowers" perfume. C/86
Oculetts. S/86	

Observations and Reflections

By Krayser III

The Annual Meeting

over which Mr. Rowsell presided appears to have been mainly of the non-critical type, with speeches either friendly or suggestive. Exception was taken to this year's Conference being held during August Bank Holiday week, and the President, apparently sympathetic on this point, intimated that an earlier date might be selected for next year. That mysterious book on forensic pharmacy, to which we have been looking forward so long, is still not likely to be available for some time to come, though it has actually been written. Perhaps the intention is to defer publication until no further legislation affecting pharmacists, and no fresh Orders in Council or Regulations, may be anticipated for at least a few months ahead. It can hardly be likely that there is any uncertainty about the accuracy of the information in the manuscript, or any doubt as to the wisdom of the Council and its officers committing themselves to definite views on particular legal points!

If Mr. Rowsell

will continue to manifest the fighting spirit shown in his speech at the Pharmaceutical Society's annual dinner, as reported in your issue of June 12 (p. 794), and can infuse some of it into his fellow-councillors, we may hope to enjoy a measure of relief from the application of Regulations and Orders in Council with which we have of late been "tormented," as the President did not hesitate to say. But the fight put up must be a real one, and not mere bluff. It is all very well to talk valiantly after a good dinner, when one wishes to say something that will please one's auditory. The conditions are different when a case is being presented to the officials of an unsympathetic Government department, and the test of sincerity must be looked for in the statement issued to chemists by the Society's Council if the Home Office should prove stubborn and decline to mend its ways.

"Regulation Mania"

is your heading to an editorial article which proves up to the hilt that this is the complaint certain people in authority are suffering from. Further tinkering with the Dangerous Drugs Regulations is said to be intended to remove ambiguity, but more ambiguity is introduced if my reading of this amending draft is correct. May we be permitted to have more than one key to the receptacle in which "dangerous" drugs are stored? As the word "key" is given in the singular, it looks as though possession of a second one would be illegal. Imagine the position if the person keeping the key is detained somewhere at a time when drugs stored in the locked receptacle are urgently wanted for dispensing purposes!

Buying and Selling

are inseparably intermixed, and it is hopeless to think of being able to sell to the best advantage unless we can buy well. Why be slaves to custom and assume that one must invariably purchase all drugs from one particular source? It is necessary to take some little trouble before coming to decisions where to buy even ordinary lines. Wholesale drug lists are often misleading guides to market values, and experience should soon prove to any keen buyer that the same drug list is not a trustworthy guide to the market value of everything quoted therein. No one will admit more readily than wholesalers themselves that they only quote in their lists for certain articles because they are sometimes asked to supply them, and that they can be purchased on more advantageous terms.

The Use of Apioi

is to-day confined entirely. I should think, to the alleviation of menstrual troubles. It is said that large doses of it are liable to produce quinine-like effects, such as ringing in the ears and vertigo. In this connec-

tion it is interesting to point out that when it was first introduced it was as a consequence of the action of the Society of Pharmacy of Paris in proposing for competition the inquiry: "To discover a means of artificially preparing quinine—that is, without the employment of cinchona bark, or any substance containing quinine ready formed. In default of this, to make known a new organic product, natural or artificial, possessing properties equivalent to quinine which would be capable of competing commercially with it." One of the competing essays was sent in by Drs. Joret and Homolle; it was published in 1855 as "Mémoire sur l'Apioi, considéré comme fébrifuge et comme emménagogue." The authors did not succeed in establishing their claim to the proportion of cures of intermittent fevers stated in their thesis. The apioi of these two physicians was an ethereal extract of the alcoholic extract of parsley seeds. Before their time there was in use an oil of parsley prepared from the seed by distillation—the oleum petroselinii æthereum—which was made by digesting the seeds in a dilute brine and distilling and separating the supernatant oil. The process for this appears as early as 1777 in the "Dispensatorium Pharmacæuticum Brunsvicensæ."

The Continued Use

of certain herbs and drugs for specific diseases throughout the centuries is well illustrated by the case of parsley. Theophrastus, in his discussion of "the wild forms of pot-herbs," states that mountain-celery (parsley—*oreoselinon*) "is given in dry wine for diseases in women" (Sir Arthur Hort's translation). Every author who has written on physic has placed among the virtues of parsley its value as an emmenagogue. Empiricism is in this instance justified in its modern child, apioi. Our botanical name, *Petroselinum*, has a Greek origin signifying the parsley (*σέλινον*) of the rocks (*πίτρος*). Its medical history extends back to at least 300 years before our era. It has also had a wide reputation as a diuretic, and is, therefore, to be found as a constituent of all the so-called diuretic and anti-nephritic and aperitive species which were the principal remedies prepared by the old apothecaries for the general domestic physic cabinet. The seeds of the Macedonian parsley were highly esteemed as alexipharmics, and on this account Andromachus, Nero's celebrated physician, gave them a place in his famous Theriaca; and because of their being an ingredient of this preparation they are found in the earlier editions of the Pharmacopœia Londinensis. They were also a component of the Mithradatium.

This Modest-looking Parsley

played a great part in the funeral obsequies of the Greeks; it was the chief constituent in the offerings of flowers and herbs which were laid upon their tombs. At one time it was employed for making the wreaths with which the victors were crowned at the Nemean games. There seems to be here some incongruity in its uses; but, as has been pointed out, it may be that there is a close connection because it was customary to commemorate the death of eminent persons by the institution of games, and parsley, being so intimately related to the dead, would provide a most appropriate crown for those who secured the trophies. There are several questions which one would like to answer concerning this ubiquitous plant, whose presence in the garden and at the table is so much taken as a matter of course. Shakespeare has an allusion, in a passage which Leo Grindon naively said was one which "one does not care to re-peruse," concerning the parsley-bed which has provided childhood with a concrete notion of the nascency of human kind. Whence arose the stock reply to childish curiosity? There is a proverb than "parsley fried will bring a man to his saddle and a woman to her grave"; what does this mean? Lemery ("Treatise of Foods") says that "when you wash a glass in the water wherein parsley has been washed before, and where some part of the leaves remain, do all you can to save the glass, it will break in pieces." Is this a common experience?

You may be asked
by doctors how

Ostelin

can be presented in mixtures.
We shall be pleased to send you
detailed information on this
point, with dispensing notes
and some model prescriptions.
Ask also for our pamphlet on
"CAPTURED SUNLIGHT."

Write to Sales Manager, "Glaxo House,"
56 Osdiaburgh Street, London, N.W.1

A New Ostelin Combination

OSTELIN with
MALT EXTRACT and
ORANGE JUICE

contains all the therapeutic vitamins
and is extremely palatable. Sold in
jars at 4/- and 2/6 each, these prices
being subject to usual trade discounts.

Perfumery Chemicals
AROMATICS & SYNTHETICS

Essential Oils

AND

TERPENELESS & SESQUITERPENELESS OILS

Manufacturers and Distillers:

A. BOAKE, ROBERTS & Co., Ltd.
STRATFORD — LONDON — E.15

Telegrams: "Boake, Strat, London."
Telephone: Maryland 1050 (4 lines).

TRADE



MARK.

ALLISATIN BRAND.

An entirely new method of administration
of Garlic. Odourless, tasteless and
devoid of objectionable after-effects.

IN BOTTLES OF 30, 100
AND 250 TABLETS.

RETAIL PRICES 2/6, 6/6 and 14/6

THE
SANDOZ CHEMICAL CO. LTD.
PHARMACEUTICAL DEPT. - BRADFORD.
PRICE LIST ON APPLICATION.



ROBINSON'S
of **CHESTERFIELD**
for **CARDBOARD BOXES**
ROUND · OVAL · SQUARE · FOLDING
ROBINSON & SONS, LTD. · CHESTERFIELD & LONDON

EXTRA
RECTIFIED

ALCOHOL
FOR
TINCTURES

J. BURROUGH, Ltd.

1 Gale Distillery,
LAMBETH, S.E.11

Editorial Articles

"The Art of Dispensing"

THERE has for some time been a famine in supply of "The Art of Dispensing," which is now happily ended, as the C. & D. Book Department is able to cope with all orders for the work. This is because an entirely new edition, the tenth, has been published this week. Owing to various causes, the new edition has taken a good deal of time to prepare and bring into line with the changes in the practice of dispensing that have taken place since the previous edition of 1912. On the mechanical side there were also delays which were not within our control. This is now happily ended, and during the week we have dispatched hundreds of copies of the book, orders for which have been accumulating for some time. "The Art of Dispensing" was first published as a book in 1888, but before that it had appeared in a probationary form in the *Chemist and Druggist Diary*, 1880 and 1885, having between these issues been submitted for comment to twelve pharmaceutical chemists who were experts in the subject of dispensing. Only two of this remarkable corps of contributors, which included two editors of THE CHEMIST AND DRUGGIST, survive, these being Mr. T. Maben, Ph.C., and Mr. R. H. Parker, Ph.C., F.C.S. The various editions since 1888 have each been subject to

critical revision by dispensing authorities, and it is fair to state that no other British work on dispensing has had the advantage of being able to secure the best pharmaceutical brains in carrying on such an undertaking. That the book is the recognised standard on the subject of dispensing there is no question; the fact that the tenth edition is now being offered is eloquent of the generations of students at home and abroad that have used the work as a text-book, and of the pharmacies where it is kept for reference when difficulties arise in the course of the daily work. *THE CHEMIST AND DRUGGIST* has the advantage of attracting a large number of dispensing inquiries every year, which enable us to follow up fresh problems as they arise in daily practice. These, with the natural progress that takes place in pharmacy, yield us a never-failing supply of fresh facts and ideas. The accumulation of the last few years has now been embodied in the pages of the new edition. There are many alterations in each page, some small in themselves, but meaning a development or modification of previous practice. The arrangement of the book has also been improved, as a new edition gave us an opportunity of making several alterations. The chapters on dispensing technique have been enlarged by including a section on sterilisation, and as an example of revision needed by the effluxion of time we may refer to the section dealing with the manufacture of tablets. This has been entirely re-written in accordance with present-day general practice. The *C. & D.* systems of pricing dispensing are given as an appendix, these being a post-war development and founded on a special investigation of the subject. The charges are adopted in the chief dispensing establishments, and it is advisable that students from their earliest days should be familiar with this standard method of remuneration. Those who receive the new edition will notice at once that we have changed the binding to one of dark blue, a style that is being adopted for the *C. & D.* publications as new editions are brought out. We part with the black binding hitherto employed without regret, as the brighter appearance of the fresh style is merited by the sterling value of the book. Although this refers to the ethical rather than to the pecuniary value, it reminds us that the price of the book has been kept at 8s., the same as the previous edition. We were able to effect this by certain changes in procedure which partly neutralised the great advance in the price of printing which has taken place since the war. We ought, perhaps, to mention that the chapter on New Remedies has been omitted in this edition. This was decided upon partly because the scope of the section was inadequate, but chiefly because *The Chemist and Druggist Diary* has for many years contained each year a compilation of the new drugs introduced within the period covered since the previous issue of the *Diary*. Many of what were once "new" remedies are standard medicaments of to-day, but very many have ceased to trouble, either because they have not fulfilled the expectations of the introducers or else that they have not offered any advantages over medicaments intended for the same purposes. "The Art of Dispensing" is an interesting example of the way that successive generations of students benefit by the ideas of their predecessors. We hope that the fresh entrants into pharmacy at home and overseas will realise that this places upon them the obligation of continuing to add to the sum of knowledge. In dispensing there are possible so many combinations of drugs that it may fall to any student to have the opportunity of making some original observations and contributing to the *C. & D.* an account of how the problem was attacked and the difficulty overcome.

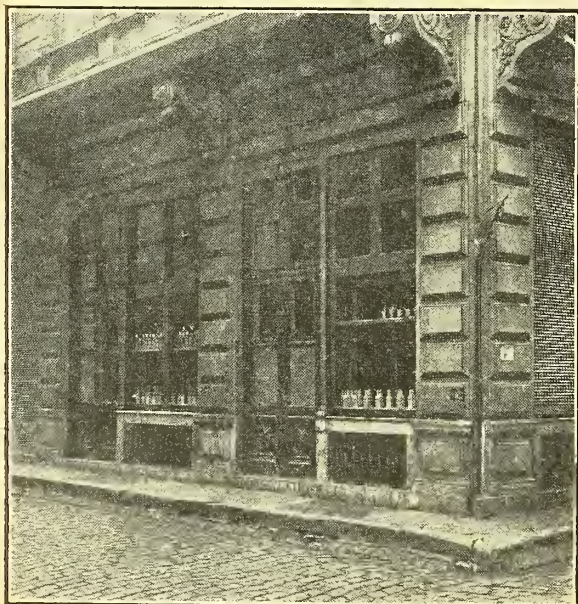
Suggested Company Law Amendments

THE report of the Company Law Amendment Committee, appointed last year to consider what amendments are desirable in the Companies Acts, has been published, and contains a number of recommendations designed to stop abuses of the company law. The system of company law and practice has been gradually evolved to meet the needs of the community, and in general fulfils its objects in a highly satisfactory manner. The cases in which fraud or other forms of dishonesty occur are comparatively few, but these tend to give an exaggerated idea of the evils connected with limited companies and their activities. The Committee do not recommend any important changes, but the suggestions include matters of principle as well as alterations of a minor character. Dealing with the name of the company, the Committee suggest that no company should use in its title the words "Royal," "Imperial," "Bank," or "Banking" without the consent of the Board of Trade, and that the use of the words "Chamber of Commerce" should be confined to companies registered under Section 20. Where companies desire to reduce their capital they are obliged by Section 48 of the Companies Act to use the words "and reduced" before the hearing of the petition. It is proposed that this should be abolished and the company should only be bound to use the words if the Court on making the confirmatory order for special reasons so directs. The modification of rights clauses in articles sometimes operate so as to cause hardship, and it is proposed to give the Court in proper cases power to review the resolution of a class meeting. With a view of obviating the delay that often occurs in issuing share certificates, it is recommended that certificates should be complete and ready for delivery within two months of the lodgment of a transfer duly stamped and otherwise in order. Power to issue redeemable preference shares would be useful in certain cases, and is recommended with certain safeguards. A company, it is further suggested, should be prohibited from providing any financial assistance in connection with a purchase of its own shares by a third person. The requirement of two meetings in case of special resolution should be abolished, it being made sufficient to pass the resolution at one meeting convened by a notice not less than fourteen days in length. Resolutions are to be deemed to be passed on the actual day, and not, as may be at present, on the day on which an original meeting was called and adjourned. The law relating to prospectuses should be strengthened in requiring a statement of the net profits for three years of a business to be purchased by the capital being raised. It should be made illegal to issue an abridged prospectus in respect of shares, debentures or debenture stock containing, or having annexed to, or sent with it, an application form or otherwise inviting a subscription for such shares. "Offers for sale" are to be regulated so as to stop cases where the offer is or may properly be deemed to be made in complicity with the company itself. The law as to minimum subscription should be amended by a statement giving the minimum amount required to purchase the property to be acquired and to provide the preliminary expenses and working capital. The underwriting commission it is recommended should be limited to 10 per cent. on the nominal value of the shares underwritten. It is recommended that any contract or provision (whether contained in the company's articles or otherwise) whereby a director, manager or other officer of the company is to be excused from or indemnified against his liability under the general law for negligence or breach of duty or breach of trust should be declared void. This should extend to

contracts or provisions existing at the date when the amending Act comes into force, but as regards such contracts or provisions it should not take effect until (say) six months from that date. Auditors should be required to state in a note to the accounts the total amount of money lent to directors, managers or other officers of the company during the period covered by the accounts. It is suggested also that upon a written requisition signed by the holders of shares carrying at least 25 per cent. of the voting power at the time of requisition, the directors should be bound to furnish to all shareholders a statement (certified by the auditors) of all remuneration paid to or other emoluments received by directors (whether as such or in any other capacity connected with the management of the company) during the three preceding financial years, including remuneration received personally from any company on whose board a director sits as a nominee of the company in question. Where any such remuneration is paid tax free the amount of any tax paid should be added. A tightening up of the law regarding investigation and prosecution for offences by directors and others is recommended, and in cases of fraudulent trading the person whom the Court finds to have been guilty should be subjected to unlimited liability. Other provisions deal with keeping the statutory returns up to date and an amendment of the requirements as to registration of incumbrances by adding of specific classes of mortgages and charges. Recommendations are made that the keeping of proper accounts should be compulsory on a company, that greater facilities should be given to shareholders for obtaining copies of the balance-sheet and reports of a company and in the form in which accounts are filed, but it is not recommended that the present exemption from filing accounts by private companies should be interfered with. Other recommendations deal with companies established outside Great Britain and with the practice of share "hawking." It is urged that should these provisions be embodied in an amending Act it should be followed immediately by a consolidating Act, so as to avoid the necessity of cross-reference.

The Royal Society

THE conversazione of the Royal Society, originally fixed for May 12, was held at Burlington House, Piccadilly, London, W., on June 16. Dr. G. H. Rodman showed a series of photomicrographs of various forms of hairs occurring on the leaves of plants, including representations from plants known to produce toxic or irritant manifestations in persons who come in contact with them casually or by reason of their occupation. Among these figured the hairs found on the leaves of *Urticaria*, *Primula sinensis* and *obconica*, *Laportea Moroides*, *Rhus toxicodendron*. The hairs on the upper surface of the leaves of *Salvinia auriculata*, which exhibit a peculiar semilunar form, are so arranged as to prevent the access of water to the stomata, while those on the leaves of *Malpighia urens* bear a close resemblance to a compass needle, and, curiously enough, are attracted by an iron, but not by a glass, rod, affixing themselves to the former parallel to its axis. Cultivated cacaoes are now considered to be hybrids between *Theobroma Cacao*, Linn., and *T. leiocarpa*, Bernoulli, and both have recently been found wild in Venezuela, and also natural hybrids. A pod of *T. Cacao*—usually known as the Forastero type—was shown by the Director of the Royal Gardens, Kew, and also of the shorter, and much smaller, smoother pod of *T. leiocarpa*—the calabash cacao—together with flowers to show their peculiar structure. Models of crystal structure—olivine, calcium sulphate, barium sulphate, beryl—were exhibited by Professor W. L. Bragg, Mr. G. B. Brown, and Mr. J. West, showing that the shape of the structure appears to be determined by the large oxygen atoms, in the spaces between which are inserted the metal atoms. The Research Department of the Royal Arsenal, Woolwich, showed a number of interesting radiographs, showing some of the practical applications of x-ray penetration. These included a radiograph showing clear definition through $4\frac{1}{2}$ inches of steel, which constitutes a record in the penetration of metals by x-rays, while another illustrated the accidental presence of foreign bodies in blank small-arm ammunition; by means of x-ray fluorescent screen examination, 1,200,000 rounds are examined at the rate of 17,000 per hour, and the slightest defect or irregularity in any single cartridge is made readily apparent to the examiner. Two mechanical models to illustrate the structure of the atom were exhibited by Mr. W. A. Douglas Rudge. In these models the electron is represented either by a small rapidly rotating electric lamp, or by the negative glow of a vacuum tube. In the first form the lamp is given rotation simultaneously about two axes at right angles to each other. A continuous line of light, by persistence of vision, is thus traced out, cutting off a more or less spherical space, representing the envelope of the atom. The nucleus is represented by another lamp at the centre of the system. In the vacuum tube model, a system of tubes is so rotated that the anode glows are concentrated at the centre, forming the nucleus, while the cathode glows are distributed in the space outside. A photoelectric photometer, permitting the measurement with an accuracy of 0.0004 of the density of very small areas, such as spectral lines on a photographic plate, was demonstrated by Professor F. A. Lindemann and Dr. G. M. B. Dobson. The instrument is built on the principle that two beams of light from an electric filament lamp traverse two different but similar paths, and finally both fall on one photoelectric cell. A shutter allows one or other of these beams to be cut off. At one point the beams are brought to a focus, and the photographic plate to be measured is placed on a mechanical stage so that this focus falls exactly on the film. The second beam passes through an adjustable optical wedge, and in use the wedge is moved until the electrometer connected to the photoelectric cells shows the same deflection whichever path the light is traversing. The reading of the wedge gives a measure of the density. Mr. G. H. Gabb exhibited an early microscope of the Leeuwenhoek type, entirely made of silver, by Butterfield, Paris (about 1680), possibly the only example of its kind known in England. The three lenses are mounted in silver cells, with screw adjustment.



CONSTANTINOPLE.—Drogueire Centrale d'Orient, Ltd., Branch at Angora Han.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

Opening of the Pharmacological Laboratories

The irony of fate will once more be exemplified if the Pharmaceutical Society, after being barred by a High Court decision from undertaking trade matters, finds its income rising steadily through fees obtained for a commercial service. There seems to be no reason why this should not happen. The Minister of Health, in the delightful speech that he made prior to declaring the Laboratories open, raised a smile of genuine amusement by a passing allusion to a "not unwelcome" increase in the Society's revenue; and the impression left by this remark was not materially changed by another speaker's subsequent assurance that the Society had a soul above such considerations. Mr. Chamberlain made it clear that he attached very great importance to research, and wisely suggested that the last word had not been reached in methods of standardising therapeutic substances. He paid a generous tribute to the enterprise and public spirit of the Society, and by the quiet force of his personality left on the minds of his audience the impression that the importance of this interesting occasion may well be greater than anyone can at present foresee. A graceful tribute by Sir Humphry Rolleston, President of the Royal College of Physicians, to the Minister's father, the late Mr. Joseph Chamberlain, particularly for the encouragement he gave to medical research while at the Colonial Office, was heartily endorsed by those present. The following concise description of the Laboratories themselves has been officially supplied:—

The laboratories comprise four large and well-lighted rooms above the Society's examination hall, and there are also additional rooms which will become available as the laboratories develop. The first room is at present used for the testing of the heart stimulants, digitalis, strophanthus, and squill, and is at present the room in which certain research work is being carried on. The next room contains, among other apparatus, that needed for testing the strength of pituitary extract and of the various preparations of ergot. The third room will, it is hoped, be utilised shortly if it is decided to add a vitamin-testing department to the laboratories: there is at the present time a definite demand for such testing, not only for medicinal preparations such as cod-liver oil, but for preparations on the border-line between medicines and foods, such as the fruit juices and invalid foods. The last of the four rooms is that used to house the animals, which are kept under conditions approved by the Home Office, by whom the laboratories have been licensed for physiological testing.

The examination-hall was well filled. Mr. Bilson, the newly-elected President of the Society, took the chair, afterwards handing over the conduct of the meeting to his predecessor in the presidency, Mr. Rowsell. Among the audience we noticed Mr. R. R. Bennett, Mr. William Browne, Mr. F. W. Crossley Holland, Mr. Norman Evers, Mr. H. Wippell Gadd, Mr. F. W. Gamble, Mr. J. P. Gilmour, Mr. C. H. Hampshire, Mr. C. A. Hill, Mr. J. Rutherford Hill, Dr. David Hooper, Mr. A. H. Jenkin, Mr. H. J. Kluge, Dr. W. H. Martindale, Mr. E. J. Millard, Mr. Langford Moore, Mr. Arthur Mortimer, Mr. Morley Taylor, Mr. Greenwood Watkins, and Mr. J. R. Wretts. The speech of the Minister of Health occupied only fifteen minutes, and the proceedings were over well within an hour. Tea was served afterwards, and the Laboratories were inspected by those who remained. A handsomely printed and well-illustrated eight-page *brochure* (10½ in. by 8¼ in.), issued for the occasion by the Society, gives a brief account, on the lines of Mr. Rowsell's speech, of the origin of the Laboratories.

The PRESIDENT, in welcoming the Minister of Health, recalled that the event had been postponed on account of the general strike. It should have taken place under the presidency of Mr. Rowsell, and he now handed over the conduct of the ceremony to his predecessor in the chair.

Mr. ROWSELL said:—

The first duty which I have to perform this afternoon is to express on behalf of the members of the Society our appreciation of the honour which the Minister of Health has done us in giving up this afternoon to open our Pharmacological Laboratories. It is under his direction that pharmacists carry out their duties under the National Health Insurance Act, and it will also be under his direction that the Therapeutic Substances Act will be carried on, so I think we may say that there is no one who could more appropriately have performed the opening ceremony. Nowadays the work of a Minister of the Crown is both heavy and exacting, and it is a great satisfaction to us that Mr. Chamberlain has found it possible to be here this afternoon. I know that I can assure him that the interest in our work which his presence indicates will be a very real encouragement to us.

The pharmacological testing of drugs is a field of work which has only been explored during the last twenty-five years, but it is a field which is rapidly widening. So far the Society and pharmacists generally have not taken any very active part in this work, but the recent advances made in the methods of pharmacological testing were such as to indicate clearly to the Council of the Society that this was work with which the Society should be associated. It is clearly the duty of the pharmacist to understand the preparation and standardisation of medicinal agents which he supplies, and with the revision of our educational requirements a year ago and the institution of the Degree in Pharmacy by the University of London the possibility of pharmacists with these higher qualifications undertaking this work became more clear and defined. A person, for instance, who has obtained the degree will have received training which would form a valuable basis for additional training in pharmacological methods of testing drugs.

NEW METHODS OF TESTING DRUGS

Our Charter states that the Society was founded for, among other objects, the advancement of chemistry and pharmacy, and it is fitting, therefore, that the Society should take its share in this latest branch of medical science. Our School of Pharmacy was the first school in which instruction in chemistry by teachers of recognised standing was made available to the public, and among our past students are a number who to-day are prominent in the world of science. The Society is responsible for the training and examination of pharmacists, and it has always been the aim of the Council to ensure that the training of candidates for the Society's examinations shall be progressive, and result in pharmacists keeping abreast of the changes which take place from time to time in medicine. The testing of drugs by biological methods is one of the latest of these changes: Many drugs can be standardised by chemical means: there are others, and those not the least important, which cannot be standardised chemically, either because we are ignorant of the precise nature of their active constituent or because no ready method exists for its quantitative determination.

The importance which is being attached to the preparation and supply of active preparations of potent drugs has been emphasised in this country by the passing of the Therapeutic Substances Act, 1925, which provides machinery for setting up tests for and controlling the manufacture of those therapeutic substances, the purity or potency of which cannot adequately be determined by chemical means. One thing was clear at the time that the Therapeutic Substances Bill became law, and that was that if the fullest benefit was to be obtained from its provisions, it would be necessary for arrangements to be made for the commercial testing of preparations to which the Act applied for those manufacturers who would not be in a position to undertake the testing for themselves. There was, in fact, a definite piece of work which needed

doing, and this was an additional inducement to the Council of the Society to institute the laboratories which the Minister of Health is to open to-day. Of the work which the laboratories are doing and will do, I do not think it is necessary for me to say anything more, since Dr. Burn will be speaking to you about them shortly. I should like here, however, to say that the Council consider that the Society has been extremely fortunate in securing Dr. Burn as director. His experience in the work and his association with the National Institute for Medical Research have been invaluable to us, and the fact that the laboratories are in a position to-day to test five classes of preparations is the greatest testimony which can be paid to the enthusiasm with which he has taken up the work.

The chairman then called on Dr. Burn to address the meeting.

THE PURPOSE OF THE LABORATORIES

Dr. BURN said:—

The passing of the Therapeutic Substances Act has given considerable importance to biological assay, and

it is proper that I should mention the progress which has taken place in this branch of science during the last few years. It is probably true that the progress since the war has been three or four times as great as it was up to the beginning of the war. It should be a matter of congratulation to us as British people that the bulk of the progress has been made in this country. It should also be a matter of congratulation to us as taxpayers that the greater portion of the advance in this country has been made in the laboratories of the Medical Research Council. Under the direction of Dr. Dale there have been worked out in the last few years methods for the accurate assay of no less than three substances, neosalvarsan, insulin and pituitary extract. That is a considerable achievement. Professor Clark, at University College, has described a method for the assay of ergot which appears to be of surprising accuracy, and which has not yet been sufficiently appreciated. Dr. Trevan, at the Wellcome Research Laboratories, has independently described an accurate method for the assay of insulin, and has made a valuable contribution to the assay of digitalis. If we attempt to compare the progress made in this country with that made elsewhere, and if we represent the progress here by the figure of 100, I suggest that America comes next with a figure of about 25, and that Holland and Germany follow with a figure of about 10. It is gratifying to know also that the progress made has been consolidated for the benefit of all nations as a result of the recommendations made at the Conference held at Geneva in September last under the auspices of the League of Nations. The credit for the success of this Conference belongs entirely to Dr. Dale. He was able to organise research previous to the Conference in America, Canada, Germany, Austria, Holland, Belgium, Denmark and Great Britain. There are some members of this Society who have had experience of international scientific conferences. The magnitude of Dr. Dale's achievement will be recognised by them.

The first duty of the new Laboratories, as you, Sir,

have said, will be to enable manufacturers to comply with the Therapeutic Substances Act. The Laboratories can be prepared to test all pharmacological preparations in the Schedule. It is the intention of the Society to endeavour to assist the Ministry of Health with reference to this Act in other ways. The Laboratories will test not only things at present in the Schedule, but those likely to be included in the Schedule. Thus at the present time the Council have decided to establish a vitamin-testing department. The tests to be carried out by this department will be prescribed by the Accessory Food Factors Committee of the Medical Research Council and Lister Institute. From time to time these Laboratories will report to that Committee on the applicability and accuracy of the tests prescribed. Thus, in a year or two, a body of evidence will be accumulating which should be of considerable value to the Minister of Health should he contemplate adding vitamin-containing preparations to the Schedule of the Therapeutic Substances Act.

The institution of the Laboratories will be useful

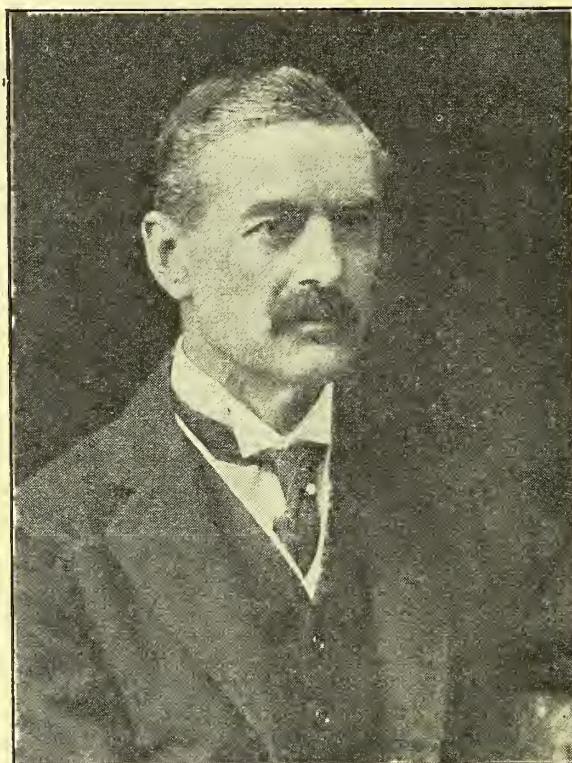
introducing to the Society the practical details of the newer therapeutic agents. In the past, medicinal substances have been derived largely from plant tissues. At present the main development is of substances prepared from animal tissues. The problems involved are for the pharmacist in principle the same. One can conceive that there may be a reluctance to face the new development. The raw materials for plant extracts are to be found in the garden and the field, whereas for gland extracts the pharmacist must go to the less savoury purlieus of the cattle market. In one respect the new field offers more certain progress than the old, namely, that the therapeutic use of some gland extracts can be foretold. It is not necessary, as in the case of plant extracts, to wait perhaps for a century or two until by chance a therapeutic use is discovered. On the other hand, the chemistry of gland extracts is much more difficult. The pituitary and suprarenal glands alone contain active substances which can be obtained reasonably free from other matter by

making boiled water extracts. There is a very extensive field for research here which is waiting for the pharmaceutical chemist, working together with the pharmacologist, to investigate. I trust that the Laboratories will be able to play some small part in such investigations. (Applause.)

The Minister of Health Opens the Laboratories

The Rt. Hon. NEVILLE CHAMBERLAIN (Minister of Health), in declaring the Laboratories open, said:—

The duties and functions of a Minister of Health appear to me to be comparable to the description given by a Scottish judge of his national dish, namely, that it provided a mixed feed. (Laughter.) Yesterday it was my privilege to open a new plant for the treatment and disposal of town refuse. (Laughter.) To-day I have the honour of performing a similar office for the new Laboratories of this Society. I must admit that I am more familiar with the origin, uses, treatment and disposal of town refuse than I am with these substances about which Dr. Burn has given such an interesting



[Photo]

THE RIGHT HON. NEVILLE CHAMBERLAIN

[Russell

account. (Laughter.) But, of course, both of these are intimately connected with my department, and in both cases I find there is the application of the latest developments of science to the health and welfare of mankind. After all, as our knowledge progresses we are constantly forging new weapons for the constant warfare we carry on against disease, and we are at the same time continually training that great army which is engaged in that great war, comprising not merely doctors, nurses and pharmacists, but also chemists, engineers and architects; we are training them all in the use of these weapons which modern science has given to us. I look upon the Society for this purpose as a training college. It is a type of institution which meets with great public favour in this country, a sort of successor to the old craft guilds, constituted under statute and composed of members of the profession whose duty it is to prescribe for the training of those about to enter the profession and to admit to the Register only those who attain a certain minimum standard of achievement and knowledge. It is a proper source of pride that the Society throughout its career has always kept before it the idea of constantly raising the standard of those who are admitted to the pharmaceutical profession. To-day the Society is entering upon a new branch of activity which promises great usefulness, and, I think, a great increase of reputation to the Society in the future. I am particularly interested in it because this same Act is one for which I was responsible in the House of Commons last year—I mean the Therapeutic Substances Act. I suppose that most of you are familiar with the provisions of that Act. You know what it provides for in the case of certain substances which are listed in the Schedule of the Act, the substances described being those the potency, of which cannot be ascertained by chemical analysis. It provides that these cannot be manufactured in this country without a licence from the Minister of Health, and it provides that certain regulations may be issued by a Joint Committee consisting of the Minister of Health, the Secretary for Scotland and the Secretary for Northern Ireland.

THE ADVICE OF EXPERTS

This Committee will be guided by the advice of experts. Now what sort of regulations is it proposed that this Joint Committee may issue? They have to issue regulations which will determine the standard, strength and potency of these various substances. They will also determine the test to be applied to them to see that they contain that standard, strength and potency; and they provide the form and conditions on which the licences to manufacturers may be issued, and, finally, from time to time it is contemplated that they will be able to add new substances to the list contained in the original Act. It is obvious that that Act is one of very considerable importance to the medical profession, to the pharmacist and to the general public, because until it was passed the situation in this country was that we were placed at a great disadvantage as compared with other countries where similar provisions were already in force. There was nothing here to tell a doctor who was making use of any of these substances the strength of the dose which he was prescribing—and, speaking as a layman, I understand that the efficacy of the treatment depends upon their administration in prepared quantities—putting the doctor at the very serious disadvantage of being asked to prescribe a dose of substances of which he does not know the strength, and he may be producing effects quite contrary to those he anticipates. Then our manufacturers were for the same reason at a great disadvantage. They could not sell their substances abroad, because no foreigner would accept them, not knowing what they were buying.

THREE MAIN FUNCTIONS

I understand from what Dr. Burn has told us that the Laboratories may be said to have three main functions. There is, first of all, the commercial testing of the substances for firms who have not themselves got the proper equipment for carrying out this work, or who for some other reason do not want to undertake the tests themselves. Secondly, there is what he describes broadly as research work; and, thirdly, there is the

training of pharmacists. I do not mind saying that the two last of these functions appear more important than the first. The first, of course, is a useful and valuable service, and, furthermore, it will provide a certain amount of revenue which will not be unwelcome to the Society. (Laughter.) I hope, therefore, that side will develop and help on the work of the Laboratories. But the other two are much more important to the public of this country, which is beginning, I think, to wake up to the importance of research. No doubt an interest and appreciation of the value of research has been very much stimulated by the remarkable results obtained in a great many directions during the Great War, when a large number of people were applying themselves to research work in order to fill gaps in their knowledge or to supply what had hitherto been obtained outside this country.

SIMPLER TESTS WANTED

There are, first, the three substances mentioned in the Schedule of the Act—neosalvarsan, pituitary extract and insulin. I believe that the tests for these three substances are already pretty well agreed upon and standardised, but I don't think anybody would like to say we have reached the last word, even in these substances. I have had the privilege of being taken round the Laboratories and seeing the method of testing. It is a very delicate apparatus that has to be used, and it is a lengthy process; and one wonders whether it is not possible to find some new method that will be quicker, easier and simpler to carry through and reduce it more to a matter of routine than it is at present. No one can imagine that we have reached the end of the substances which will be added to the list. The great progress made has been achieved within the lifetime of all of us, and has shown the way investigation should be carried on, resulting in the discovery of new substances of very great value and benefit to the human species, which will be scheduled. Only when it is possible to say that they can be tested and the proper standard and dosage can be worked out will the fullest advantages accrue. There, again, great assistance can be given to the Advisory Committee by the work of the Pharmacological Laboratories here, and I imagine there is a great field before you.

A GREAT OPPORTUNITY

The training of pharmacists follows almost as a matter of course. The very fact that the discoveries are of such recent date, means that there are very few workers who are competent to carry on investigations of this kind, and, I think, in the post-graduate course given in the Laboratories there is going to be an opportunity for pharmacists to rise above the ordinary commercial work of the chemist, to engage upon something which will lift him into a higher sphere, and raise not only his own mental standard, but the whole status of the profession. I do not know whether I dare relate in this audience an incident which occurred a long time ago, and which I recollect being told by a gentleman in the Black Country. He said that one day he went into a chemist's shop to purchase some article, and while he was waiting a boy came and asked for "Two pennyworth of stray pills." When the boy had gone out, my informant asked the chemist what he meant by "stray pills." The chemist replied: "Well, we have a great many pill prescriptions to make up, and in measuring them out a pill or two drops on the floor; and we sweep them up and do a good trade in selling them as stray pills at twopence a box." (Great laughter.) I am sure that would be frowned upon here. (Laughter.) But I do feel that every pharmacist who has a soul above the mere commercial side of his business will take a pride in the thought that the profession is being elevated by the spirit of higher scientific work, which will be attained at these laboratories, and at the fact that out of the ranks of the pharmacists there may probably arise, thanks to the instruction they will receive here, men who will achieve distinction not only in this country but throughout the world. (Applause.) I thank you for giving me the privilege of coming here to show my interest and appreciation of the enterprise and public spirit of the Society in building and equipping these new laboratories. I wish them a most unqualified success in

the new responsibility they have undertaken, and I now declare the new laboratories open. (Applause.)

VOTE OF THANKS

Sir HUMPHRY ROLLESTON, M.D., President of the Royal College of Physicians, said:—

It is a privilege to propose a vote of very sincere appreciation to the Minister of Health for coming here to-day and opening these Laboratories, thus starting them with the best possible omens. To his father, who was President of the Local Government Board, the ancestor of the Ministry of Health, in 1886—forty years ago—we are indebted for services to the study and development of tropical medicine which will never be forgotten, and his encouragement of Sir Patrick Manson and the Schools of Tropical Medicine in the City and in Liverpool has made inhabitable for white men the Dominions, Colonies, and outskirts of the Empire. He thus saved the lives of many more men than famous heroes have destroyed. (Applause.) It is natural that his son should do the same for the Mother Country. Of the rather numerous distinguished men who have presided over the comparatively short life of the Ministry of Health, he is the only one to hold it twice, and we must count ourselves a most deserving people, for it is said that we have the Government we deserve. (Laughter and applause.) The Ministry of Health has a very extensive field of influence and activity, preventive and curative medicine; not only, as is shown by his presence here to-day, does the Minister take a keen interest in what is put into his Majesty's subjects and is anxious that it should be as perfect as possible, but he is much concerned with providing the houses into which they should be put and how they should be financed. The life of a Minister of Health is full of occupation; and to our minds the physical health of the nation ranks very high indeed and must require endless labour. It is therefore most kind of him to sacrifice the time to come over and help us. (Applause.) I am sure there will be other directions in which the laboratories can render unique services to the country.

Mr. E. WHITE seconded, referring to the encouragement which the Society would receive as a result of Mr. Chamberlain's visit. The establishment of the Laboratories had required courage, because it meant not only some outlay of money, but also taking the responsibility of upkeep for some time to come. The Committee had no delusions as to their being a paying concern, but they would be satisfied if the Laboratories did something for the public good and assisted the Ministry of Health. (Applause.)

The resolution was carried with acclamation.

The MINISTER OF HEALTH, acknowledging the vote of thanks, said that the only dividends he expected for the Laboratories were the contributions they were going to make for the benefit of mankind. Expressing appreciation of Sir Humphry Rolleston's references to his (the speaker's) father, Mr. Chamberlain said there was no part of his work which his father looked back upon with greater satisfaction than that he was able to do in connection with the study of tropical diseases. It was the glory of his tenure of office as Colonial Minister. "If I, in a smaller way," added Mr. Chamberlain, "can follow in my father's footsteps, and improve the health of the people, I think it is the best contribution I can make to their happiness and welfare." (Applause.)

The proceedings terminated with the chairman's invitation to the gathering to inspect the Laboratories.

Council Meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C., on June 16, Mr. Philip F. Rowsell presiding at the outset.

ELECTION OF PRESIDENT

The first business was the election of a President for the ensuing year. This resulted in Mr. Bilson being appointed by twelve votes, as against the eight cast for Mr. Rowsell, the only other candidate nominated. There was one blank paper.

Mr. BILSON, having been invested by the retiring President, briefly returned thanks. "It would be idle," he said, "for me to say that I am not gratified by the honour you have done me this morning, because I am. Naturally in an affair of this sort there are disappointments, and disappointment has not been absent this morning. I shall do my best to merit your confidence. When one looks back on the array of past Presidents of this Society one realises that there are high ideals to live up to. It will be my object to do all that I can to merit your confidence." (Applause.)

ELECTION OF VICE-PRESIDENT

There were three candidates for the office of Vice-President, Messrs. Skinner, Melhuish and Keall. The first vote resulted as follows: Mr. Skinner 10, Mr. Melhuish 6, Mr. Keall 4. As it is necessary, under the rules, for the President and Vice-President to secure a clear majority over other candidates, another ballot was taken, resulting in Mr. Skinner receiving eleven votes as compared with ten received by Mr. Melhuish.

The PRESIDENT congratulated Mr. Skinner on his election.

Mr. SKINNER, in acknowledgment, said he appreciated very highly the honour conferred upon him, and assured the Council that he would do his best to justify their confidence.

RE-ELECTION OF TREASURER

Mr. Guthrie was unanimously re-elected treasurer with acclamation, and briefly returned thanks.

THANKS TO THE EX-PRESIDENT

The PRESIDENT proposed a vote of thanks to the retiring President. There was always a certain amount of competition for the office, but he assured Mr. Rowsell that he felt that the work he had done during the past year had commended itself to every member of the Council. Mr. Rowsell had had great experience of public affairs, and had given the Society the benefit of that experience in the management of its affairs.

The VICE-PRESIDENT, seconding, said he had a very high opinion of Mr. Rowsell before he occupied the position of President, and that opinion had been raised higher by the ability with which he had conducted the affairs of the Society. (Applause.)

Mr. NEATHERCOAT said there were many members of the Council who would like to support the resolution, and they wished to associate themselves with what had been said regarding Mr. Rowsell's services to the Society as President. He had carried out the duties of the office with great dignity, and in a body such as the Society there was a lot to be said of the manner in which the President displayed himself in public. (Hear, hear.) Mr. Rowsell had maintained the dignity of the office, and had conducted himself as one who was not only well versed in the affairs of the Society, but added to its dignity by his deportment on special occasions. (Applause.)

The resolution was carried with enthusiasm.

Mr. ROWSELL, responding, said that it had been a pleasure to him to serve the Society and to find that the policy which had been adopted by the Council during the last twelve months had been endorsed by the country in the return of the old members—for he regarded that as an endorsement of the policy of the Council. As far as he was personally concerned, he felt that he had been returned at the head of the poll as a result of the lead he had given to the country. (Hear, hear.) That he regarded as the greatest honour he could receive from his brother-pharmacists. The Council had that day established a policy of one-year presidency, and he was bound to say in looking at the matter all the way round that it was no doubt a very wise one. It would give members of the Council a chance of seeing the work which devolved upon the President, and the many difficult things which he had to contend with, and in that way a larger number of men would be able to occupy the office of President. All the members of the Council, in his opinion, should have that experience. He wished the new President the best of health and strength to carry out the duties during the ensuing year, adding that the office was almost a full-time job. (Applause.)

NEW MEMBERS WELCOMED

The President welcomed the two new members of the Council, Mrs. Freke and Mr. Humphrey, both of whom made suitable responses.

ELECTION OF SECRETARY

Mr. HUGH NICHOLAS LINSTEAD, Ph.C., assistant secretary and deputy registrar, was appointed secretary and registrar in succession to Sir William Glyn-Jones. The customary annual staff appointments were also made.

DEATHS

The PRESIDENT next referred to the deaths of two honorary members of the Society and one member. The two former were Professor N. G. von Lagerheim, and Dr. Albert Brown Lyons, Detroit. Prof. Lagerheim had been a corresponding member of the Society since 1892. He was professor of botany and director of the Botanical Institute in the University of Stockholm, and a botanist of wide reputation. Dr. Lyons was elected in 1923 an honorary member of the Society. He was the first editor of the "Pharmaceutical Era" of New York, was a leading member of the American Pharmacopœia Revision Committee and of a number of other scientific bodies in America. The other member was Mr. William Prior Robinson, Ph.C., Whitby, who died on June 10. He was the brother of a former President of the Society (Sir Richard Robinson), and was for some years a local secretary of the Society and an officer of the British Pharmaceutical Conference.

The Council decided to send a letter of sympathy to the relatives of Mr. Robinson.

ELECTIONS AND RESTORATIONS

Six persons were elected as student-associates. A number of persons were restored to the Register, and twenty-four persons to the Society. The deputy-registrar reported that 203 persons had been registered as apprentices or students.

PRIZES COMPETITION

The report of the examiners appointed to conduct the Council prizes competition was received, showing that fourteen students took part. The awards were announced as follows:—

Pereira Medal, John George Jones;
Silver Medal, Rees Vernon Lloyd;
Bronze Medal, J. A. Croasdale.

INSTITUTE OF CHEMISTS-OPTICIANS

The PRESIDENT reported that his attention had been drawn to a leaflet issued by the Institute of Chemists-Opticians in which the following words were used: "The examinations are conducted in the presence of one or more members of the Pharmaceutical Society's Council, so that there is no shadow of doubt about their absolute fairness." He had directed that a letter should be sent to the secretary of the Institute pointing out that such a form of words was calculated to induce readers to believe that the examinations of the Institute were officially recognised or had the official approval of the Council of the Society, whereas, in fact, the Society had no connection with the Institute and was in no way responsible for the examination. The letter had also asked for an assurance that the wording in question or wording to a similar effect should not be used in future in any publication of the Institute. The Council unanimously endorsed the opinion of the President.

ROYAL AIR FORCE

Letters which had passed between the assistant secretary of the Council and the Air Ministry were read. The letter from Mr. Linstead stated the Council desired to ask that consideration be given to the possibility of one or more of the vacant positions in the Stores Branch being filled by pharmacists. The reply from the Air Ministry was as follows:—

"In reply to your letter of May 21, reference L/L, I am commanded by the Air Council to inform you that the requirement of five years' business or industrial experience in the case of candidates for appointment to commissions as stores officers in the Royal Air Force is not limited to any specified branches of business or industry, but is intended to afford as wide a field of recruitment for

this branch as is compatible with the duties to be performed. Whilst, therefore, the Council will welcome any applications from persons possessing pharmaceutical training and experience, they regret that they are unable definitely to reserve any vacancies for pharmacists under the new scheme for the grant of commissions in the Stores Branch of the Royal Air Force."

Major PECK said the letter from the Air Ministry did not close the door, and as far as it went it was not entirely unsatisfactory.

SHEFFIELD UNIVERSITY

An invitation was received from the governors of Sheffield University asking the Council to send representatives to attend at the coming-of-age celebrations of that institution. Mr. Antcliffe was asked to represent the Council, and consented to do so, adding that he would be attending in another capacity as well.

THERAPEUTIC SUBSTANCES ACT

A letter was received from the Ministry of Health asking the Society to appoint a member of the advisory committee provided for under Section 4 (2) of the Therapeutic Substances Act. Mr. White was appointed, on the proposition of Mr. Rowsell, seconded by Mr. Melhuish.

LEAGUE OF EX-SERVICE PHARMACISTS

The report of the League of Ex-Service Pharmacists includes the following passages:—

"The opportunity was given to the representatives of our cause in the House to raise the question on the Army estimate debate, but the Speaker could allow only a short time for this discussion, and it was decided that it would be better to wait for the vote to come up when a longer debate could be obtained. Two difficulties, however, arose. It was found that it would be necessary to get the Opposition to agree that pharmaceutical service in the Army should form the subject of discussion on the above-mentioned vote. The secretary of the League thereupon communicated with one of our supporters in the Labour party asking him if he could obtain the co-operation of his party in this matter. The secretary in the meantime had received a letter from the Labour whip, saying that he had no doubt that members of the Labour party would all support Sir Wilfrid Sugden when he raised the question. Unfortunately, however, the general strike came along and this created a second difficulty of an even more serious nature. Members of Council will readily appreciate that it has left an atmosphere in which it is difficult to get the attention and sympathy of the House on a question which, although important, cannot but seem almost trivial when compared with the great problems confronting Parliament at the present time. Furthermore, the strike has left the hands of our supporters in the Labour party very full indeed, as all of them happen to be trade union leaders who are at the moment extremely busy with their own affairs, as well as with Parliamentary business. In view of this the Secretary of the League has had a talk with Sir Wilfrid Sugden, and it has been decided not to make any special effort to raise the question until the industrial situation has somewhat cleared.

"Attached to, and forming part of this report, is a copy of a letter written by the Financial Secretary to the War Office, in April, 1926, to Mr. F. C. Thompson, member of Parliament for South Aberdeen. . . . Some time ago the suggestion was made unofficially to the chairman of the League, by a staff officer of considerable experience, that the League might put forward a scheme for the formation of a small Pharmaceutical Staff Corps, on the lines of the Railway Staff Corps. In view of the Financial Secretary's letter it is believed that such a proposal might meet with a favourable reception by the military authorities. Such a Pharmaceutical Staff Corps might consist, perhaps, of 12 to 20 pharmacists highly experienced in various branches of pharmacy. . . ."

Appendix

"The appointment of pharmacists, when recruited as such, to commissioned rank, would involve an unjustifiable expense in no way demanded by the requirements of the Army in peace. In a war, however, of any great magnitude, possibly one or two leading pharmacists might be required in an advisory capacity, and the question of the grant of

commissioned rank to them, if continuously employed, would then arise. . . . I should perhaps add that if the Pharmaceutical Society (as appears to be the case) holds that Army dispensers are untrained and unable to make up such solutions and preparations as can be made locally in dispensaries, it is labouring under a false impression.

"Yours sincerely,

"(Signed), H. DOUGLAS KING."

Mr. PECK drew attention to salient passages in the report, emphasising the importance of securing parliamentary representation at the earliest possible moment. Colonel Fremantle, chairman of the medical group in the House of Commons, had arranged for representatives of the League to address the group in the House during next session. With regard to the granting of commissioned rank to pharmacists serving with the Forces, the League had lately had a more satisfactory reply from the authorities, and he looked upon this as a definite step forward.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of 6s. 5d., amounted to £11,955 15s. 6d., comprising the following items:—Subscriptions; £1,120 7s.; examination fees, £8,087 4s.; registration fees, £359 12s.; restoration fees, £4 4s.; school fees, £33 12s.; Pharmacological Laboratories, £11 11s.; penalties, £183 3s. 8d.; "Pharmaceutical Journal," advertisements, etc., £1,204 9s. 3d.; "Pharmaceutical Journal," student-associates' subscriptions, £2 12s. 6d.; "Pharmaceutical Pocket Book," £13 18s. 10d.; Pharmaceutical Press publications, £4 17s.; Registers, £14 18s. 3d.; "Year-Book," £8 15s. 5d.; "B.P. Codex," 1923, £44 3s. 9d.; interest on investments, £852 0s. 5d. Payments ordered at the last meeting amounted to £5,368 4s. 11d., and £6,550 had been transferred to deposit account, leaving a balance of £37 10s. 7d. The balances on the other accounts were: Benevolent Fund (current account), £35 4s. 6d.; Benevolent Fund (donation account), £39 9s. 8d.; War Auxiliary Benevolent Fund, £29 5s. 8d.; Orphan Fund, £1 15s. 1d. The report recommended that accounts amounting to £3,672 5s. 5d. be paid, and that the action of the secretary in making payments amounting to £833 8s. be approved. The report was adopted.

BENEVOLENT FUND

The report of the Benevolent Fund Committee stated that six grants, ranging from £15 to £30, had been made. The following special contributions were announced: Liverpool Chemists' Association, £100 12s. 2d.; Freemasons' Lodge No. 3950, £3 3s.; H. W. Neathercoat (executors of), 14s. 7d.; Birmingham Ucal Federation Club, £6 14s. 10d.; National Association of Women Pharmacists, £1 1s.; Middlesbrough and District Pharmacists' Association, £1 1s.; S. Bastow, 15s.; A. Ball, £2 2s.; Cheltenham and District Branch, £1 1s.; Francis & Co., £1 12s. 9d.; Western Pharmacists' Association, £10 10s. *Orphan Fund*.—Cheltenham and District Branch, £1 1s.; Western Pharmacists' Association, £10 10s. The report was adopted.

WAR AUXILIARY BENEVOLENT FUND

The report of the War Auxiliary Benevolent Fund Committee stated that two grants of £25 each had been made. The report was adopted.

EDUCATION COMMITTEE

The report of the Education Committee stated that two schools had been recognised for the teaching of specified subjects. The report was adopted.

BURROUGHS SCHOLARSHIP

The Establishment Committee recommended that a Burroughs Scholarship of £80 be awarded to Miss C. O. Griffiths, Ph.C. The recommendation was adopted.

BRITISH PHARMACEUTICAL CONFERENCE

The Committee of the Conference, after considering the meeting arranged for those interested in the educational side of pharmacy at the time of the Leicester Conference meeting, decided that notice of this meeting

should be printed as an addendum to the official programme in the handbook and in "The Pharmaceutical Journal."

A letter was read stating that the League of Ex-Service Pharmacists was desirous of holding a meeting during the Conference. The secretary was instructed to reply that 4.30 p.m. on August 3 would be the most suitable time.

A letter was read from the Town Clerk of Brighton conveying a cordial invitation from his Council for the Conference to meet in Brighton in 1927, and offering to place rooms at the Royal Pavilion at the disposal of the Conference and to arrange for the members to visit any public works or places of interest under the control of the Corporation. The secretary was instructed to thank the Council for their offer, and to inform them that the final decision of the meeting-place of the Conference for 1927 rested with the annual meeting at Leicester.

This was all the public business.

Branch Meetings

Bolton.—On the invitation of Evans Sons Lescher & Webb, Ltd., over forty members and friends of the Bolton Branch journeyed to Liverpool to inspect the works and laboratories of the company. The party was received by Mr. Lescher and Mr. Brinson, directors of the firm, and after proceeding to the main building was split up into four sections, under the leadership of Mr. Sendall, and was conducted over the various departments. Subsequently the party was entertained to dinner at the Bear's Paw Restaurant, Mr. Lescher presiding, supported by his Worship the Mayor of Bolton (Councillor P. Knott, M.P.S.) and the President of the Branch (Mr. J. T. W. Hay). After dinner a cordial welcome was proposed by Mr. Lescher to the pharmacists of Bolton for their visit. Replying, the Mayor of Bolton expressed thanks to Mr. Lescher for the cordial reception given and for a most interesting afternoon. During dinner the ladies were each given souvenirs of their visit. The party then made a tour of the "Royal Liver" Building, which commands a fine view of the city, the river Mersey and the docks.

Bristol.—The annual meeting of the Bristol Branch was held on May 27. A vote of condolence was passed, to be conveyed to Mr. Weston Roberts, a member of the defunct Chemists' Association. Mr. A. L. Taylor presented the prizes gained at the recent examination on the pharmacy of the Pharmacopœia. The examiner, Dr. Hampshire, expressed himself pleased with the high standard shown in the papers. (1) Mr. S. R. Coles, (2) Mr. S. L. Berry, (3) Mr. J. L. Goulder, (4) Mr. Horace Moore. The chairman (Mr. A. L. Taylor) reviewed the work of the session, and a statement of accounts was afterwards read by Mr. Fred Penfold, auditor, which showed a satisfactory credit balance. The chairman, on behalf of the branch, thanked Mr. Hillier, secretary of the Bristol Chamber of Commerce, for his readiness to assist officers of the branch in their duties. Mr. H. E. Matthews, treasurer, and Mr. Fred Penfold, auditor, were re-elected for the ensuing twelve months. The committee was also re-elected, and officers as follow: *Chairman*, Mr. A. L. Taylor; *Vice-Chairman*, Mr. Alan Ball; *Secretary*, Mr. Ströde Cosh; *Assistant Secretary*, Mr. W. J. Davis; *Press Secretary*, Mr. E. Lloyd.

Gazette

Bankruptcy Acts

RECEIVING ORDER

COUPLAND, ANNIE B., 253 Rye Lane, Peckham, London, chemist, under the style of A. Coupland.

GUM COPAL RE-EXPORTS FROM ZANZIBAR.—During 1925 the Zanzibar Protectorate re-exported 2,611 cwt. (Rs. 2,50,351), of which the United Kingdom received 2,176 cwt., Germany 191 cwt., and France 190 cwt. The bulk of it (1,939 cwt.) emanated from Tanganyika, while Kenya Colony contributed 245 cwt. and Portuguese East Africa 576 cwt.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, June 17.

PENDING a settlement of the coal-mining dispute, no improvement in business is looked for in the Mincing Lane produce markets. When, however, the demand does improve and becomes more general, it is anticipated that the values of many items of produce which have now sunk to a low level will show a sharp reaction. Buyers everywhere have allowed their stocks to dwindle, and in the interim the imports have fallen off. The few changes in drugs include easier rates for agar agar and balsam tolu. Persian galls are scarce and dearer. Sudan acacia gums are firmer. Cardamoms are firm, and in more demand for forward shipment; Madras turmeric to arrive is cheaper. Vanilla at auction brought fully steady rates. Shellac is irregular, and cod-liver oil is easier. Few changes of importance have to be noted in essential oils and general demand continues moderate only. Lemon is slow of sale and cheaper to arrive, while business in French oils is affected by exchange fluctuations. Citronella is quiet, and cheaper prices are quoted for Java. Bourbon geranium has been in good demand at the source at advancing rates. Cassia is cheaper. Among the fixed oils, coconut, cotton and raw naked linseed are rather dearer, and values of other items are generally maintained. Hankow wood is easier. In the pharmaceutical chemical group, business continues limited and competition keen, with practically no changes in values. Among industrial chemicals, business continues unsatisfactory, in view of the industrial trouble. Acetate products have an easy undertone; commercial Epsom salt is easier. Lead salts are firmer. Coal-tar products are mostly idle.

Higher	Firmer	Easier	Lower
Amidol	Benzols	Camphor (Jp., ref., c.i.f.)	Agar agar (c.i.f.)
Cocoa Butter	Geranium oil (Bour., c.i.f.)	Cassia oil	Antimony
Coconut oil	Gum acacia	Citronella oil (Jv.)	Lemongrass oil
Cotton oil	Lead products	Cod liver oil	Lemon oil
Galls (Pers.)	Linseed oil	Damiana	Spike oil
Paraffin scale	Nutmegs	Epsom salt (comm.)	Turmeric (Madras, c.i.f.)
Rubber	Orange peel	Ergot	White oils
Shellac		Ginger (Jamaica)	Wood oil
Tartaric acid (foreign makers)		Thyma oil	

Cablegrams

NEW YORK, June 16.—Business is quiet. Cartagena ipecacuanha is dearer at \$4.10 per lb., and senega has advanced to 60c. per lb. Belladonna root is dearer at 18½c., and stramonium leaves are also higher at 15c. per lb. Menthol is lower at \$4.50 per lb.

BERGEN, June 17.—The catch of cod since the opening of the season amounts to 86,500,000, against 58,600,000 at the same date of last year, and the yield of steam-refined medicinal cod-liver oil 116,088 hectolitres, against 90,950 hectolitres at the corresponding date of last year. The quotation for finest non-freezing steam-refined Lofoten oil is about 105s. per barrel, c.i.f. London.

Crude Drugs, etc.

AGAR AGAR.—Shipment prices from Japan are cheaper under the influence of larger offers, June-July offering at 3s. 1½d. per lb. c.i.f., No. 2 at 2s. 11d., and No. 3 at 2s. 10d. c.i.f.

ANTIMONY.—The weakness of the American market and freer forward offers from China in face of an exceedingly dull trade demand have been reflected in a further fall in the value of Chinese regulus here, spot lots being no better

than £60, while c.i.f. is around £42 10s. Crude is lifeless, spot being called £40, while c.i.f. terms range down to about £30.

BALSAM TOLU can be had at 3s. 9d. per lb. for good bright hard, and slightly less for drossy.

BISMUTH.—Business would appear to be rather on the slow side, but the tone is quite steady with the Association price maintained at 10s. per lb. for not less than five-cwt. parcels.

CAMPHOR (REFINED).—Japanese slabs are easier for forward shipment, July-August offering at 2s. 10d. per lb., c.i.f.; slabs are offered at 3s. 2d. spot. English flowers are quoted at 3s. 5d. in five-cwt. lots, and smaller quantities at 3s. 6d. to 3s. 7d. per lb.

CARDAMOMS continue in active demand at full rates. If obtainable, good bold bleached Ceylon-Mysore would readily fetch 8s. 9d. per lb. Medium is 7s. 9d. to 8s. Sales of green Aleppy have been made at 3s. 9d. c.i.f. Bombay decorticated seed is 6s. 3d. spot.

CLOVES.—Zanzibar are quiet, with spot offering at from 9½d. to 10½d. per lb. as to quality. Shipment prices remain nominal. The landings in London during the week ended June 12 were *nil* and the deliveries 1,032, leaving a stock of 16,075 bales, against 13,157 bales in 1925 and 35,772 bales in 1924. Up to June 12 the landings of Zanzibar in London have been 9,650, against 7,043 in 1925, while the deliveries amount to 7,775, against 8,890 last year.

COCOA BUTTER is dearer at 1s. 4d. per lb. for best English makes in not less than one-ton lots.

COD-LIVER OIL.—Our Bergen correspondent writes on June 12 that the market is slightly easier, finest non-freezing steam-refined quality offering at 105s. per barrel c.i.f. London. As regards the Finmarken fishing, the catch of cod last week was less than formerly, and it would now appear to be decreasing. The total quantity of cod caught is hitherto greater than that of all the years since 1912, when it was 94,800,000. The yield of steam-refined cod-liver oil is the largest on record. The total output of all the Norwegian codfisheries compared with that of previous years is as follows:—

To	Catch of cod	Yield of steam-refined cod-liver oil	Livers for crude oils
June 5, 1926 ..	84,674,000	114,942 hectol.	13,841 hectol.
" 6, 1925 ..	56,900,000	87,945 "	9,535 "
" 7, 1924 ..	65,300,000	108,277 "	16,144 "
" 2, 1923 ..	46,279,000	79,145 "	16,716 "
" 3, 1922 ..	46,800,000	77,769 "	14,712 "

At the cheaper figure of about 105s. per barrel c.i.f. rather more interest has been shown by buyers in London.

CORN PRODUCTS, ETC.—Guaranteed water-white glucose (corn syrup) is 20s. 9d. per cwt. for June-August delivery, ex store, London. Dutch maize starch powder (cornflour) is 13s. 9d. per cwt. on the spot. American, for June-August delivery, 13s. 6d. per cwt. Pearl starch for June-August delivery is 13s., ex store, London. Dutch farina is 14s. 6d. per cwt. on the spot, and 13s. 10½d. f.o.b. for shipment. Dutch maize starch crystals is 20s. 6d. on the spot, and American for June-August delivery is 20s. 3d. per cwt. ex store London. Dutch dextrin is 24s. 6d. per cwt. for superior, on the spot. American canary for June-August delivery is 17s. 3d., and white for June-August 17s. per cwt. ex store London.

DAMIANA LEAVES vary in price at from 10d. to 11½d. per lb., c.i.f., to come forward; spot value is about 1s.

ERGOT is quiet and on the easy side, the fact that Russia is a seller partly accounting for this; to arrive from this source, 3s. 9d., c.i.f., is quoted; spot values of Spanish range from 3s. 9d. to 4s. 3d. per lb., as to quality.

GALLS.—Persian blue are scarce on spot, with up to 125s. per cwt. quoted, and a small business to arrive has been done at about this price. For shipment, Chinese plum-shaped is offered at 57s. c.i.f.

GINGER.—With the recent reduction in prices of Jamaica on account of fair-sized arrivals of new crop, prices are now on a more reasonable level, and good bold quality is obtainable at from 95s. to 100s. per cwt., and small at from 70s. upwards. Rough Cochin on the spot is 65s., and good natural is 70s. to 75s. per cwt. as to quality. In West African a fair amount of c.i.f. business

has been done lately down to 25s. c.i.f., but subsequently recovering to 29s. per cwt. c.i.f. for May-June shipment, but at the close there are buyers at 30s. c.i.f., it being difficult to get offers from the Coast; spot is steady at 35s.; Japanese is dull at 60s. per cwt.

GUM ACACIA firmer, with sales of natural Kordofan sorts for June-July shipment at from 43s. 9d. to 44s. per cwt. c.i.f., and for cleaned to arrive 45s. 9d. c.i.f. is quoted. Spot value of sorts is 50s. for natural and 52s. for cleaned. Bleached can be had at from 97s. 6d. per cwt. upwards.

IPECACUANHA remains firm at 14s. 6d. per lb. for Matto Grosso.

JALAP remains firm, with stocks getting into small compass, and a scarcity of high-test; 11 per cent. is 1s. 4d., and 11½ per cent. 1s. 5d. per lb. on the spot.

LIME JUICE.—West Indian raw has been selling in small lots at from 1s. 9d. to 2s. per gallon.

MENTHOL is inactive, sellers quoting 17s. 6d. per lb. for Kobayashi-Suzuki in five-case lots; May-July shipment is 15s. 6d.; October-December, 14s. 6d.; and January-March, 14s., c.i.f.

MERCURY.—Fundamental conditions are unchanged and very firm, so that despite the restricted volume of business on the spot quotations have been maintained at about £15 10s. per bottle. At anything under that figure it is not easy to secure parcels, although quotations in some quarters have been circulated down to £15 5s. Offers from the Continent are not of much importance, and the terms wanted f.o.b. are about in proportion with spot terms ruling on this side.

OPIMUM.—The spot price of 11 per cent. Turkey drugsters' remains at 2s. 2d. per unit, subject to confirmation.

ORANGE PEEL.—Now that the bulk of the so-called Maltese machine-cut has been received, spot values are firmer at from 1s. 9d. to 2s. per lb. for good bright strip.

PAPAIN.—Genuine quality is scarce and nominal at 15s. per lb. on the spot.

PEPPER has been steady, sellers quoting fair black Singapore at 10½d. per lb. on the spot and May-July shipment at 9½d., c.i.f. Lampong is 10½d. spot; sales to arrive include May-July at 8½d. to 8¾d., and August-October at 7½d. to 7¾d., c.i.f. Tellicherry is 1s. spot, and Alleppy 11d., c.i.f. White Muntok is 1s. 4d. spot, March-May has been sold at 1s. 3½d., May-July at 1s. 3d., and August-October 1s. 1½d. to 1s. 1¾d., c.i.f. Singapore is 1s. 4d. spot for f.a.q., and 1s. 3d. for June-July shipment.

PIMENTO is quiet at 5½d. per lb. on the spot; to arrive, sales include June-July shipment at 46s. per cwt. c.i.f. and September-October shipment at 43s. c.i.f.

RUBBER is dearer on the week by about 1d. per lb., but closing quiet after being very firm. At one time to-day 1s. 9½d. was paid for spot and October-December, but sellers, who were previously reserved, came forward and offered at 1s. 9d. The firmness was due to covering orders from New York on the assumption that consumption in America for the month of May exceeded arrivals by over 3,000 tons. Later cables denied this report, and gave a surplus on the May figures of 7,000 tons; this caused quite a different sentiment in the market, and a pronounced weakness set in. The arrivals last week were again substantial, viz., 3,153 tons, against deliveries of 1,755 tons, thus showing a further increase in the stocks of 1,398 tons. The London stock now stands at 22,281 tons. Quotations, Wednesday, 5 p.m.:—No. 1 standard ribbed smoked sheet, spot and June, 1s. 8¾d.; July-September, 1s. 8¾d.; October-December, 1s. 9d. per lb.

SEEDS.—The seed market remains unaltered, business being exceedingly quiet, and prices are as follows:—CANARY SEED.—Mazagan is still scarce on the spot, with sellers at 25s., Larache is quoted at 22s., and good bold Spanish 35s. Dutch is offered at 17s. c.i.f. CUMIN SEED.—Maltese is 32s. 6d., and Morocco 27s. 6d. to 30s. ANISE.—Spanish is 50s., Russian 41s., and Levant 40s. CORIANDER SEED.—Morocco, 15s. 6d. for sound. DILL SEED, 20s. per cwt. FENUGREEK SEED.—Morocco is 13s. 6d. HEMPSEED.—Manchurian is 13s. 6d. per cwt. LINSEED.—Mazagan is quoted at 20s. c.i.f. MUSTARD SEED.—English is scarce at 55s. per cwt.

SENNA.—Alexandrian pods continue to remain very scarce on spot, with 4s. 3d. to 4s. 9d. per lb. asked for selected hand-picked.

SHELLAC is firm and dearer, the spot value of usual standard TN Orange having advanced to 120s. to 125s.; fine orange is 130s. to 180s. and AC cakey 130s. per cwt. To arrive TN for June-July shipment has been sold at 117s. to 115s. per cwt. c.i.f. in bags. Futures have advanced, the sales including August delivery at from 120s. to 125s. to 122s. 6d., October at 120s. to 123s. to 121s., and December 118s. 6d. to 120s. to 117s. Calcutta spot has advanced to rs. 53.

TURMERIC.—For shipment sales of fair Madras finger have been made at the cheaper rate of 19s. per cwt. c.i.f.; spot is steady at 25s. per cwt.

VANILLA.—At auction, on June 11, 341 tins were offered and 254 sold with good competition at fully private rates. The bulk of the Seychelles offered was of poor flavour and part mouldy. Of Seychelles, 222 tins offered and sold, including fair, part crystallised, but doubtful keepers, 7 in. to 8 in., 12s. 6d. to 13s. 6d.; 6½ in. to 7 in., 10s. 6d. to 11s. 6d.; 5 in. to 6 in., 9s. to 10s.; 4½ in. to 5 in., 8s. to 8s. 6d.; good seconds, 6½ in. to 7½ in., 9s. 9d. to 11s.; 5½ in. to 6½ in., 9s. to 9s. 6d.; brown split to long firsts, crystallised, 7s. to 11s.; 16 tins Madagascar offered and 5 sold, at 13s. per lb. for good seconds crystallised, 4 in. to 4½ in.; 103 tins Java offered and 9 sold at 4s. to 6s. 9d. for more or less mouldy. Spot sales of good Bourbon 5 in. have been made at 13s. per lb.

WAX, VEGETABLE.—Japanese is very firm and scarce; in fact, there are practically no spot stocks: 95s. per cwt. has been paid for retail lots, and near at hand is offered at 90s. c.i.f.

Essential Oils

BUSINESS in essential oils is generally quiet. There is a disappointing demand for lemon oil, which should now be selling well, but some inquiry has been noted for bergamot and orange. Bourbon geranium has been active for shipment, but Algerian fails to attract business at comparatively low rates. Cassia oil is dull and easier. Spanish oils are neglected, and importers anticipate a low production this year. Java citronella and Cochin lemongrass are cheaper.

The following are the quantities and values of the essential oils (other than turpentine) imported into and re-exported from Great Britain during May 1926, compared with the same months in 1924 and in 1925, also for the five months in the respective years:—

		1924	1925	1926
May imports (other than turpentine)	lb.	506,187	375,788	282,435
	value	£130,777	£115,613	£101,323
Jan.-May imports	do. lb.	1,848,399	1,907,291	2,041,607
	value	£476,773	£605,448	£677,078
May re-exports	do. lb.	119,953	92,812	42,430
	value	£48,299	£36,173	£19,241
Jan.-May	do. do. lb.	466,538	449,478	363,197
	value	£162,655	£167,097	£144,054

ANISE (STAR).—"Red Ship" on the spot is unchanged at from 2s. 10½d. to 3s. per lb.

BERGAMOT is quiet and unchanged at from 25s. 6d. to 26s. per lb. on the spot for 37 to 39 l.a., and for shipment from 24s. 9d. to 25s. c.i.f.

CAJUPUT on the spot is slow of sale at about 2s. 6d. per lb.

CAMPOR.—Fair sales of brown and white Japanese essential oil have been made at about 62s. 6d. per cwt.

CASSIA is nominal on the spot at 8s. per lb. for 80 to 85 c.a. For shipment bids of 6s. 6d. c.i.f. would be submitted.

CITRONELLA.—Ceylon is the turn easier at 1s. 8½d. per lb. on the spot, and 1s. 7½d. c.i.f. Java is slow of sale and cheaper at 2s. 4d. on the spot and 2s. 2d. c.i.f.

CLOVE.—English distilled is quoted on the spot at from 6s. 3d. to 6s. 6d. per lb.

GERANIUM.—Bourbon has been in active demand at the source and sales have been made at from 8s. 3d. to 8s. 9d. per lb. c.i.f. to arrive. It is reported that over 100 tons of oil of the recent crop have been shipped. Spot is nominal at 10s. Algerian is lacking in interest and business would be done at 8s. 6d. c.i.f. Spot is nominal at 10s.

LAVENDER.—Spot sales of French 38 to 40 per cent. have been made at 16s. per lb. Up to 20s. is quoted, according to seller.

LEMON.—For shipment, from 7s. 3d. to 7s. 6d. per lb. c.i.f. to arrive is now generally quoted. Spot demand is slow and prices are easier at 7s. 3d. to 7s. 6d.

PALERMO, June 10.—During the last two weeks the market has remained very quiet, and demand from abroad has been insignificant. Prices remained almost unchanged, but for a time pressure to sell on the part of some small producers

seemed to make prices sag. The demand from abroad has improved a little during the last few days, and the scarcity of stocks began to make itself felt, the general tone of the market being much brighter.

LEMONGRASS.—Cochin is cheaper at 3s. 8½d. per lb. on the spot and 3s. 5d. c.i.f.

LIME.—Moderate demand for West Indian distilled continues at from 25s. to 30s. per lb. Hand-pressed is unchanged at from 32s. 6d. to 35s.

MANDARIN.—Good brands are quoted at 27s. 6d. per lb. on the spot or for shipment.

ORANGE on the spot is quiet and unchanged at from 9s. 3d. to 9s. 6d. per lb. for Sicilian sweet; for shipment 8s. 9d. c.i.f. is quoted. Bitter is quoted at 8s. 3d. c.i.f. West Indian sweet is unchanged, with sellers at 8s. 6d. on the spot. Californian in tins and casks is 7s.

PATCHOULI.—Penang has been in fair demand, and up to 22s. 6d. per lb. is quoted for good quality.

PEPPERMINT.—American natural is steady on the spot at from 60s. to 63s. per lb. as to brand. Speculative offers of new crop are made at 40s. c.i.f., with the possibility of 35s., but no interest is yet shown. Japanese is flat at 8s. per lb.; business is reported in July-August shipment at 7s. c.i.f., and for January-March shipment 6s. 6d. c.i.f. is quoted.

ROSEMARY.—Spanish is slow of sale at from 1s. 10d. to 1s. 11d. per lb. on the spot.

SPEARMINT.—Business has been done during the week at 32s. per lb. on the spot for American. Up to 33s. is quoted for small lots.

SPIKE.—The position of spike, as of all Spanish oils, is at present unsatisfactory. Importers express the opinion that owing to large unsold stocks at the source from last crop, uneconomic prices, and lack of demand, very little will be distilled this year. The improvement in the peseta against sterling will, if maintained, mean higher quotations with probably still less demand. Present spot value is about 3s. 9d. to 4s. per lb. for fair quality.

TANSY.—For shipment, offers are made at 28s. per lb. c.i.f. to arrive for American.

THYME.—Spanish oil is cheaper on the spot at 3s. 9d. per lb. for 28 to 30 per cent. phenols.

The following arrivals have taken place from the countries named during the period June 10 to 16 inclusive:—Cassia (Ch.), 30 cs.; cedarwood (U.S.), 11 dm.; citronella (Holl.) 3 dm., (Cey.) 2 dm., (Br. Ind.) 24 dm., (Jv.) 3 dm.; geranium (Kenya), 3 dm.; lemon (It.), 27 × ½ cs., 274 cs.; lime (Mex.), 5 dm.; palmarosa (Br. Ind.) 2 pots, (U.S.) 2 pots; patchouli (Fr.), 7 cs.; peppermint (U.S.) 5 cs., (Jp.) 15 cs.; pine (Germ.), 1 cs., sage (Sp.), 1 dm.; undescribed (Fr.) 6 cs., (U.S.) 11 cs., 1 dm.

Pharmaceutical Chemicals, etc.

CONDITIONS are fairly steady, and little change of importance is recorded this week. Business has been of a limited character with keen competition.

ACETANILIDE continues fairly steady at about 1s. 7d. per lb. for B.P. crystals and powder, but business is poor.

AMIDOL.—English makers have advanced their price to 8s. 6d. per lb.

AMIDOPYRIN is quoted from 12s. 6d. to 12s. 9d. per lb., with business very light.

ASPIRIN continues steady and in good demand, although prices are usually cut fine to secure business: quoted from 2s. 4d. to 2s. 4½d. per lb., according to quantity, for best brands.

BARBITONE remains dull at about 9s. to 9s. 3d. per lb.

BENZOIC ACID (B.P.).—Fair enquiry has been received, and prices are about the same. British, 2s. 1½d. per lb., ex works, for quantities; Continental, practically free from chlorine, 3s. 3d. for small spot parcels.

BENZONAPHTHOL is quiet but steady at about 3s. 3d. per lb., in five-kilo parcels.

BROMIDES.—Business remains poor all round, and the general tone is not at all steady: ammonium, about 2s. 3d. per lb.; potassium, B.P. crystals and granular, 1s. 8½d. to 1s. 9d.; sodium, B.P., 1s. 10d. to 1s. 10½d. per lb.

CALCIUM LACTATE is steady, and a limited business has been done: dealers' prices range from 1s. 3d. to 1s. 4d. per lb., according to quantity. British makers' list price is 1s. 2½d. per lb., ex works, for quantities.

CHLORAL HYDRATE.—Spot parcels have been called for now and again, with prices round about 3s. 3d. per lb. for duty-paid crystals.

CITRIC ACID continues steady, with business being done at about quoted rates of 1s. 3½d. to 1s. 3½d. per lb., less 5 per cent. for B.P. crystals.

CREOSOTE B.P. is steady, but very quiet at 1s. 10d. per lb.

CREOSOTE CARBONATE remains neglected at about 6s. per lb.

GUAIACOL CARBONATE meets with little business at about 7s. 3d. per lb., but this price would be difficult to obtain.

HEXAMINE continues steady at from 2s. 4d. to 2s. 5d. per lb., according to quantity.

HYDROQUINONE is moving in limited quantities, with prices quite steady at about 4s. 3d. to 4s. 6d. per lb.

LACTIC ACID (B.P.). is steady, with occasional business: quoted from 2s. 3½d. to 2s. 4d. per lb.; technical, 50 per cent. by weight, £41 10s. per ton, net.

METHYL SALICYLATE continues to be quoted at about 1s. 4½d. per lb. in 50-lb. carboys, and some business is reported; market steady.

METHYL SULPHONAL remains quiet at about 15s. 9d. per lb.

MILK SUGAR.—Dealers' prices continue steady: German, B.P., 64s. to 65s. 6d.; finest Dutch, B.P., 68s. to 70s. per cwt., in cases.

PARAFORMALDEHYDE (100 per cent. powder) is very steady and in quite fair demand: quantities, 1s. 9d. per lb.

PARALDEHYDE is steady but quiet at from 1s. 2d. to 1s. 4d. per lb., according to quantity and packing.

PHENACETIN in one-cwt. lots is steady at about 3s. 11d. per lb., and smaller parcels about 4s. per lb.; business has been quiet.

PHENAZONE.—Business has been slow during the past week, but prices are about the same at 5s. 11d. to 6s. per lb., according to quantity.

PHENOLPHTHALEIN is steady and in some request, with prices from 4s. to 4s. 1d. per lb.

POTASSIUM PERMANGANATE (B.P.).—The moderate business about is being very keenly competed for: quoted from 6½d. to 7d. per lb., in drums, according to quantity.

POTASSIUM SULPHOGUAIACOLATE remains dull at from 5s. 3d. per lb.

RESORCIN is steadily held at last week's better prices of 5s. 3d. to 5s. 6d. per lb., and the market is attracting some business. Further supplies are on the way.

SALICYLIC ACID (B.F.).—Business is not brisk, and competition continues keen: dealers quote 1s. 3d. per lb. for five-cwt. parcels. British makers' prices about level. Technical, 10½d. per lb., ex works.

SALOL is steady, but in no great demand at 3s. 3d. per lb.

SODIUM BENZOATE (B.P.).—Spot prices continue at about 1s. 7½d. to 1s. 8d. per lb., while cheaper rates are mentioned for quantities to arrive. Business has not been of much account.

SODIUM DIETHYLBARBITURATE remains dull, and at last week's lower level of about 10s. per lb.

SODIUM SALICYLATE (B.P.).—Business continues on restricted lines, but prices are fairly steady: crystals, 1s. 10d.; powder, 1s. 9d. per lb.

SULPHONAL remains quiet, but prices are fairly steady at about 10s. 9d. per lb.

TANNIC ACID.—B.P. *leviss* is steady at 2s. 8d. per lb., in kegs; small parcels, up to 2s. 11d. per lb.; business quiet.

TARTAR EMETIC is steady, with occasional enquiry about: B.P., 1s. 10d. per lb.; technical, 43/44 per cent., 1½d. per lb., to arrive.

TARTARIC ACID (B.P. crystals) continues fairly steady, and a moderate business is reported. Foreign is quoted from 1½d. to 1½d. per lb., less 5 per cent., according to quantity. Foreign makers have advanced their prices by ½d. per lb.

TERPIN HYDRATE is neglected at about 1s. 8d. per lb.

THYMOL is steady and moving in small lots, with B.P. fine white at about 12s. per lb.

VANILLIN (100 per cent. from cloves).—British makers still quote at about 21s. 9d. per lb. for small parcels, but sales prices seem a matter of negotiation.

Among the chemicals which have paid Key Industry duty are the following:—Acetone, £508; ammonium bromide, £153; carbon tetrachloride, £263; cellulose acetate, £227; ethyl carbonate, £237; hydroquinone, £900; novocain, etc., £315; strychnine, £167; undescribed chemicals, £1,601.

Industrial Chemicals, etc.

London, June 16.

WIDESPREAD depression is commented upon in all reports this week. This unsatisfactory state of affairs is, of course, due to the continuance of the coal mining dispute. Prices, however, show little or no change, and the general tone is as steady as can be expected.

ACETIC ACID continues to meet with only a small demand, with prices easy as quoted: 80 per cent. technical, £37; 60 per cent. pure, £38 per ton, in barrels; glacial, pharmaceutical, 99 to 100 per cent., £65 10s., in glass demijohns; glacial, in barrels, £55 per ton, ex wharf.

ACETONE has again been very quiet, but B.G.S. in drums continue to be quoted at about £80 per ton, ex wharf.

ALUM is very quiet, with parcels on spot of lump in casks offered at about £8 15s. per ton; cheaper prices to arrive.

AMMONIA (ANHYDROUS).—Spot business has been fair in a small way at about 1s. 1½d. per lb. for 99.95 per cent., in loaned cylinders, carriage paid; cheaper prices for contracts for forward delivery.

AMMONIUM CHLORIDE.—Grey galvanising is dull, with dealers offering on spot at about £22 per ton, in casks; cheaper prices to arrive.

ARSENIC.—The tone is steady with a fair enquiry for white Cornish, but business is restricted to comparatively small lots, say, 10 to 20 tons. Agents are quoting about £13 5s. up to £14 a ton f.o.r. mines, but business at the higher figure is difficult.

BARIUM CHLORIDE (98 to 100 per cent. prime white crystals) is steady, but not at all active: spot parcels, £10 10s. per ton, in casks; cheaper prices for forward delivery.

BARYTES is steady, but business is not so good. Dealers quote from £3 7s. 6d. to £5 15s. per ton, c.i.f. U.K. port, according to quality and quantity.

COPPER SULPHATE.—The demand is quiet, but quotations are well sustained at £24 to £24 10s. f.o.b. for casks, less 5 per cent. There has been a sharp turn for the better in metal in view of the control expected to be exercised on exports by the newly-formed American selling organisation in which European producers are interested.

CREAM OF TARTAR has been quieter, but prices are steady as quoted at 76s. to 77s. per cwt., less 2½ per cent.

EPSOM SALT has been very dull, and prices are a shade cheaper at £5 2s. 6d. per ton for spot parcels of commercial quality in bags; cheaper prices for forward delivery.

FORMALDEHYDE continues very quiet, and prices as quoted at about £40 per ton for 40 per cent. by volume are easy.

GLAUBER'S SALT has been more or less inactive: spot, commercial quality, in single bags, £3 12s. 6d. to £3 15s. per ton, ex store; cheaper prices for forward delivery.

LEAD PRODUCTS.—Lead acetate is £41 per ton for brown on the spot; white, about £42 15s. per ton; red lead, imported, £36 10s., c.i.f. London; white lead, dry, £37 5s.; ground in oil, £38 15s., c.i.f. London. Prices are much dearer this week, and the market closed very firm to-day.

LITHOPONE has been very quiet again with 30 per cent. Continental red seal quoted on spot at about £21 per ton, in casks, ex store; cheaper prices for quantities to arrive.

OXALIC ACID remains quiet at the low level of about 3½d. per lb., spot.

POTASH CAUSTIC is steady, but business has been poor of late: spot, 88 to 92 per cent. solid, £27 10s. per ton, in drums; cheaper prices for contracts for forward delivery.

POTASSIUM CARBONATE remains quiet but steady: 90 to 92 per cent., £24 10s.; 96 to 98 per cent., £26 10s. per ton, in casks; cheaper to come forward.

POTASSIUM CHLORATE is quite steady, but there is nothing like a normal demand: powder, 3½d.; crystals, 4d. per lb., in kegs.

POTASSIUM PERMANGANATE.—Business in commercial quality has been quieter and competition very keen: quoted from 5½d. to 5¾d. per lb., in drums, according to quantity.

POTASSIUM PRUSSIAN is steady as quoted close up to 7d. per lb., in casks, but business is not at all good.

SAL AMMONIAC.—Lack of business is pronounced: dog-tooth crystals, £30; medium, £23; fine white crystals, £19 10s. per ton, in casks, spot; cheaper prices for forward delivery.

SODIUM ACETATE is firm on spot owing to lack of supplies, with the price about £20 5s. per ton; July-August delivery at cheaper prices.

SODIUM CHLORATE is still dull, but fairly steady at about 3½d. per lb., spot.

SODIUM HYPOSULPHITE is very steady, and a fair amount of business has been done: dealers' prices, pea crystals, £15 to £15 7s. 6d. per ton, in one-cwt. kegs; commercial lump, £9 per ton, in casks. British makers quote pure crystals for home consumers at £15 10s. per ton, carriage paid to buyer's station.

SODIUM NITRATE remains very quiet, with 96 per cent. quoted at £13, and refined at £13 5s. per ton, f.o.r. docks, London. Liverpool prices 2s. 6d. per ton less.

SODIUM NITRITE is dull with prices unchanged: 100 per cent. basis, £21 per ton, and 22s. per cwt., docks, London.

SODIUM SULPHIDE is very quiet and unsteady as quoted: 60 to 62 per cent. solid, £11 5s.; broken, £12 5s. per ton, in drums.

SULPHUR.—The trade demand has been restricted, but the position is well under control. American crude, delivered Manchester is £5 17s. 6d. per ton, and refined £11 to £11 5s. for Sicilian flowers, and £10 to £10 5s. for roll, delivered London warehouse.

COAL TAR PRODUCTS, ETC.—There is little to comment upon this week, except in respect of the paucity of business generally. Prices, however, are fairly steady. **ANILINE OIL**, 6½d. to 6¾d., in loaned drums, carriage paid; business has been dull. **ANILINE SALT**, about 7d. lb., packages extra, carriage paid; British makers' list price; market flat. **BETANAPHTHOL** is quoted at about 11½d. per lb., carriage paid, with business slow. **CARBOLIC ACID** crystals remain depressed, with the price quoted at about 4¾d. per lb., f.o.b. in quantities. **CRESYLIC ACID** is easy as quoted at 1s. 8d. per gallon

for pale 97 to 99 per cent., and business is quiet. **CRESOSOTS OIL** is fairly steady, but not at all active: ex works, 6½d. and f.o.b. 7d. per gallon, in quantities. **TOLUOL** is steady, but the demand is not good: pure, 2s. to 2s. 6d.; 90's commercial, 1s. 9½d. to 2s. 1d. f.o.r. works. **XYLOL** has been dull: pure, 3s.; commercial 2s. 3d. per gallon, f.o.r. works. **NAPHTHALENE** has been practically idle: imported, flakes, £14 10s.; powder, £12; crystals, £11 2s. 6d., ex wharf. **Pure METHYL ALCOHOL** is steady but quiet, with one-ton lots at £47 per ton, in drums, ex wharf; cheaper for quantities to arrive. **PYRIDINE** remains very dull at 17s. 6d. to 20s. per gallon, f.o.b. **PITCH** is nominal with no business; f.o.b. East Coast is 72s. 6d. per ton.

Fixed Oils, etc.

COCONUT, cotton, and linseed (raw, naked) oils continue steady, with prices showing an advance on the week. Other items are reported dull, but values are generally maintained. **Turpentine** is steadier. **ACID OILS** are quiet and easy as quoted: coconut and palm kernel, 40s.; groundnut, 36s.; soya, 33s. spot. **CASTOR** is unchanged and market quiet: pharmaceutical, 50s.; first pressings, 45s.; second pressings, 42s. per cwt., spot, in barrels in not less than one-ton lots. **COCONUT** shows a considerable advance, with the market holding firm: deodorised, spot, 53s.; Ceylon, 47s., c.i.f.; Cochind, 50s., c.i.f. **COTTON.**—Further advances in prices are recorded, with the market firm: deodorised, 51s.; common edible, 49s.; soapmaking, 47s.; crude, 44s. spot. **GROUNDNUT** continues steady: deodorised, spot, 56s.; crude Oriental, 47s. 6d., c.i.f. **PALM KERNEL** continues firm: deodorised, 49s. 6d.; crude, 47s. 6d., spot. **PALM.**—Prices are about level on the week, but the market is now much quieter and not so steady: Lagos, 38s. 9d.; softs, 38s. 9d.; mediums, 39s. 3d.; hards, 39s. 9d.; bleached, 41s. 9d. spot. **RAPE** is quiet and values unchanged: refined, about 55s.; crude, 53s. spot. **Soya** is firm and fairly active: deodorised, 44s. 9d.; crude, 42s. 6d. spot. **LINSEED** (raw, naked).—Prices show a considerable advance on the week, and the market is now fairly steady: on spot, 34s. 6d.; June, 33s. 4½d.; July-August, 33s. 6d.; September-December, 33s. 9d.; January-April, 32s. 6d. Boiled oil, spot, 35s. 6d. Hull, on spot, 33s.; June, 33s. 1½d.; July-December, 33s. 3d.; January-April, 34s. **TURPENTINE.**—Under the continued pressure of deliveries here for home and Continental destinations, spot holders were much harder to deal with, and the price was forced up to over 70s. without affecting distant delivery to any material extent. Spot closed on Wednesday at 70s., June 68s. 9d., July-December 60s. 9d. Last week's deliveries amounted to 2,664 barrels, making an aggregate of 54,407 barrels since the beginning of the year, against 42,307 barrels same period last year. Including the afloats, the London visible supply represents 18,411 barrels, compared with 20,792 barrels a year previous. Actual stocks were returned at 10,659 barrels. America is a little steadier, but quiet. **RESIN** continued strong at about previous rates, there being a continuous active demand in the United States, while stocks there are much under the normal. The position threatens to become rather acute, and very high premiums are wanted for the finest grades here, which are difficult to get. The Bordeaux market is very firm, and prices continue to rise. This is not only due to the rise in exchange rates, but more especially to the shortage of supplies, and also the complete absence of the dark variety, which is 60 fr. dearer in France than in America. Delivery of colophony "extra palo" has been retarded by the cold weather. At present prices there is a big demand not only in Bordeaux but abroad. **WOOD.**—Hankow, in barrels, on spot, is quiet and slightly easier at 67s. per cwt.

LUBRICATING, MINERAL, BURNING OILS, ETC.—Some items are quoted at lower prices. Lubricating oils are steady. **Benzol** is rather firmer; generally the market has been quiet. **BENZOL.**—Business has been moving well, and prices are rather firmer: Crude 65s., 1s. 3½d.; standard motor, 1s. 8½d.; pure, 1s. 11½d. to 2s. per gallon, ex works, in tank wagons. **FUEL OIL** is unchanged, and market quiet: 890 gravity, £3 17s. 6d.; 950 gravity, £4 7s. 6d. per ton, ex tank. **PARAFFIN WAX** and **SCALE** have been quiet throughout: wax, 3½d. to 4½d. per lb., according to melting point, in bags. **Scale** has advanced, and is now quoted for shipment at about £27 per ton, c.i.f. U.K. **PARAFFIN OILS** continue very steady: American standard white, 1s. 1d.; water white, 1s. 2d. per gallon, barrels free; Russian prime white kerosene, 6½d. to 7d. ex tank; 7½d. buyers' barrels filled free, and 11d. per gallon, barrels free, ex wharf. **WHITE OILS** are quiet, and prices are easier: special No. 1, £27; No. 1, £25 10s.; No. 2, £23; No. 3, half-white, £22; No. 4, half-white, £15 per ton, drums and barrels free, ex wharf. **SOLVENT NAPHTHAS** are quiet but fairly steady: 90 to 160, 1s. 4½d.; heavy, 90 to 190, 1s. per gallon, f.o.r. works. **PETROLEUM JELLIES** are quiet and unchanged: white to snow white, £49 10s. to £58; amber and yellow, £17 17s. 6d. to

£22 10s.; red vet, £15 7s. 6d.; dark stiff green, £13 per ton, barrels free, ex wharf, LUBRICATING OILS.—The shipment market is well maintained, and there is no change in the spot position; business, however, has remained slow: spot, pales, £11 to £23 7s. 6d.; reds, £13 to £23 7s. 6d.; dark cylinders, £13 10s. to £34 5s.; filtered cylinders, £21 to £33 15s. per ton, less 2½ per cent., ex wharf, London. SOLUBLE OIL and CUTTING COMPOUNDS, £20 to £29 per ton, net. No. 1 RUSSIAN OIL is cheaper at about £15 5s. per ton, less 2½ per cent., barrels free.

Bulgarian Rose Oil Exports

DURING the month of February 1926 the official statistics report that exports of rose oil from Bulgaria totalled 190 kilos, valued at 11,320,677 levas, consigned to the following countries:—Great Britain, 50 grams; Germany, 13 kilos; United States, 70 kilos; France, 92 kilos; Switzerland, 15 kilos; Italy, 20 grams; Hungary, 100 grams; Holland, 50 grams. During the first two months of the present year exports of rose oil aggregated 384 kilos, valued at 22,360,150 levas.

Canadian Senega Exports

THE following table shows the exports of senega root from Canada during each of the past two financial years ending March 31:—

	1924		1925	
	lb.	\$	lb.	\$
Great Britain ..	54,700	33,200	71,600	38,100
United States ..	236,400	139,300	320,200	162,100
Germany ..	22,200	13,400	49,200	27,200
Japan ..	55,400	34,700	61,000	35,900
Other countries ..	14,800	8,700	6,000	3,200
Total ..	383,500	229,300	508,000	266,500

Practically all the senega root exported from Canada is collected in the provinces of Manitoba, Saskatchewan, and Alberta.

Exchange Rates on London

The following is a list of Continental and other exchange rates against the pound sterling on London prevailing at 4 p.m. on Wednesday:—

Place	Method of Quoting	Par of Exchange	June 9	June 16
Amsterdam ..	Fl. to £	12.107	12.10½—12.11	12.11½—12.11½
Berlin ..	M. to £	20.43	20.43—20.44	20.44—20.45
Brussels ..	Fr. to £	25.22½	159½—159½	167½—167½
Calcutta ..	Porrup.	24d.	17½d.—17½d.	17½d.—17½d.
Constantinople ..	Pst. to £	110	910—925	905—920
Copenhagen ..	Kr. to £	18.159	18.36—18.39	18.34—18.37
Greece ..	Dr. to £	25.22½	391—393	391—394
Hong Kong ..	T.T. S	—	27½d.—27½d.	27½d.—27½d.
Italy ..	Lire to £	25.22½	131½—132	134½—134½
Kobe ..	Yen	24.58d.	23½d.—23½d.	23½d.—23½d.
Lisbon ..	Escu	53½d.	2½d.—2½d.	2½d.—2½d.
Madrid ..	Pes. to £	25.22½	31.82—31.85	30.03—30.08
Montreal ..	\$ to £	4.86½	4.85½—4.86½	4.85½—4.86½
New York ..	\$ to £	4.86½	4.86½—4.86½	4.86½—4.86½
Oslo ..	Kr. to £	18.159	21.85—21.90	21.87—21.92
Paris ..	Fr. to £	25.22½	161½—162	167½—167½
Singapore ..	Per dot.	—	27½d.—27½d.	27½d.—27½d.
Sofia ..	Lev. to £	25.22½	675—680	680—690
Stockholm ..	Kr. to £	18.159	18.16½—18.17½	18.13—18.14
Switzerland ..	Fr. to £	25.22½	25.12½—25.13½	25.13½—25.14½
Vienna ..	Sh. to £	24.02	34.45—34.48	34.45—34.50
Warsaw ..	Zloty to £	25.22½	50—52	50—52

Key Industries Legislation

The Chemical Section

Now that Clause 10 of the Finance Bill, providing for the renewal of Part I of the Safeguarding of Industries Act, 1921, for a further period of ten years, has passed through Committee it is fairly safe to assume that it will not be amended during the remaining stages of its passage through both Houses of Parliament to an extent that will materially affect it. As a money Bill it is immune from attack in the House of Lords. Some amendments have been adopted by the Government as recommended by the Committee of Inquiry set up by the Board of Trade to report on the effect of the past five years' operation of the import duty. Before dealing with these it may be advisable to state that the rate

of duty on chemicals in List H of articles chargeable with duty will continue at 33½ per cent., and not be increased to 50 per cent., as was suggested.

The chief alteration is a provision for the exemption from duty of any listed product which is either not made at all within the British Empire or not in sufficient quantities to meet normal requirements. The Board of Trade will not strike such products out of the List of Dutiable Articles. The procedure laid down is for a consumer to make application to H.M. Treasury for exemption from liability to duty. The products exempted will remain in the Board of Trade List of Articles, and will continue to be liable to duty but exempt under the Treasury Order. For instance, the Government are perfectly well aware that oxalic acid, phenazone, etc., are not made within the Empire, but until a consumer has applied for and obtained a Treasury Order of exemption, which will, of course, apply generally to all imports, duty will continue to be levied. Such Treasury Exemption Orders are liable to be cancelled at any time immediately that department is satisfied production of the product in question has been commenced and is being carried out on a satisfactory scale sufficient to meet ordinary requirements. Assuming the Finance Bill to be finally passed fairly early in July, there will still be three or four weeks in which to apply for and obtain Exemption Orders, so that it is quite possible that a large number of important products which are at present liable to duty, and will continue to be under the 1921 Act up to midnight, August 18 next, will then be on the "exempt" List. As time goes on this List will become quite formidable. Such alterations are bound to have an immediate effect on the market position of such chemicals. No definition of a "consumer" eligible to make application to the Treasury for exemption is given in Clause 10. That department will doubtless dispute an application submitted by the purchaser of a small quantity of a dutiable product required for domestic purposes. Applications for exemption will be received by the Treasury immediately the Finance Bill has received the Royal assent. Another alteration to be noted is that a number of products which were inadvertently omitted from the original List will now be included, and a number of products which have been introduced and put on the market since the 1921 Act was passed will become dutiable. The Board of Trade could have added these at any time during the past five years, but they hesitated from doing so, as they would have thereby opened the door for a further three months for appeals to be lodged. It is an interesting point that, having got through the first three months following on the issue of the original List in October 1921 with only about 120 appeals being lodged in respect of articles being improperly included or excluded, the Board of Trade refrained from issuing an amended List, although considerable pressure was brought to bear on them to do so. The fierceness with which the appeal cases were fought will be well remembered, and apparently the department desired to avoid giving interested parties any further opportunity of testing the correctness of their interpretation of the chemical schedule.

It is anticipated that a new list of articles chargeable with duty will be issued at about the date the old Act expires. For three months from that date interested parties will be able to lodge whatever appeals they wish. It will be remembered that as a result of appeal cases taken during 1922 a number of important products such as formaldehyde, cream of tartar, citric and tartaric acids, 80 per cent. acetic acid (not synthetic), etc., were struck out of the List, and imports have since been free. Some doubt has arisen as to whether the Board of Trade will now reinclude these articles. The wording of the Act in respect of the Referee's decisions in appeal cases is: "and the decision of the Referee shall be final and conclusive." It is therefore difficult to see how such articles which have been struck out by the Referee's Order can now be reincluded. There has been no extension of the chemical schedule, and therefore there can be no additions, other than those mentioned above, to the List of Dutiable Chemical Products. The period of renewal is fixed for ten years, expiring on August 18, 1936.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

The Council Election

SIR,—Permit me to acknowledge through your columns the numerous letters I have received from members of the Society, and to thank them for their kind congratulations on the result of the Council election so far as it concerns myself. It is most gratifying to receive so many intimations of the confidence reposed in one, and to be placed by the efforts and votes of so many friends in all parts of the country in a position to endeavour to render further service to pharmacy.—Yours, etc.,

JOHN HUMPHREY.

Harrow.

SIR,—I am deeply grateful to the branches that adopted me as their candidate, and to the 2,229 members who recorded their votes in my favour, and beg to assure them that I shall continue, as in the past, to advocate and actively support any movement which has for its aim the advancement of pharmacy and the elevation of the pharmacist.—Yours, etc.,

HENRY M. LLOYD.

Merthyr Tydfil.

The Draft D.D.A. Regulations

SIR,—Every pharmacist should not only carefully study your editorial article, "Regulation Mania" (*C. & D.*, June 12, p. 790), but should be prepared to take necessary action at the suitable moment. It is time we were up and doing, pressing on the Society the need for immediate and drastic action and backing up every wise effort the Council may make. A strong and determined move now may negative the objectionable Regulations and prevent further mischievous foolery. Years ago, when the old local associations were living organisations, I had considerable experience in pharmaceutical politics, and from the experience then gained would suggest:—

(1) That the hands of the Council be strengthened by each branch of the Society calling a meeting of every pharmacist in its district and passing a resolution urging the Council to take action against the Regulations.

(2) That the Council itself take direct action, and, further, submit to each branch a resolution carefully stating our grievance and urging the branch to adopt the resolution and send a copy to the Prime Minister and Home Secretary.

(3) That a meeting of pharmacists be called in every Parliamentary division or group of divisions to adopt a carefully-drafted letter, calling attention to the manner in which the powers conferred on the Home Office under the D.D.A. are being exercised to the injury of pharmacy, and referring to the ridiculously severe penalties that may be imposed for trivial technical offences, which letter should be sent to the member of Parliament for that division—in case of a group meeting to every M.P. covered by the group.

(4) That efforts be made to have questions asked in Parliament by chosen members (well coached in the matter) with a view to having the matter ventilated there.

This is the minimum that should be done at once, and might be supplemented by personal interviews with M.P.s when that course is possible and desirable.

Yours truly,

WILLIAM GILL.

Nottingham.

SIR,—In reply to Mr. John Humphrey (*C. & D.*, June 12, p. 804), I cannot conceive pharmacists agreeing to ignore the Regulations. And now we have a further addition to these Regulations; the lock-and-key proviso has been put before us on previous occasions, and now it becomes law. You have so well pilloried this new addition in your editorial article that there is no need to labour the point, but it is obvious that in a busy dispensing establishment the unfortunate pharmacist in charge

of the key would have to sit at the door of the poison cupboard ready for any dispenser who wanted to dispense a "dangerous" drug. And it must be borne in mind that it is not necessary for the prescription that is being dispensed to come under the D.D.A., for there are hundreds of scripts dispensed containing small quantities of liq. morph., tr. opii, etc., which are below the percentage, although the drugs themselves are included in the Regulations. (Of course, this is written under the presumption that the wording of the new Regulation does not preclude the poison being taken out of the cupboard at all.) In any case, a rigid compliance with the additional requirements will mean a complete alteration in the routine of a chemist's business without any regard to practicability. There is just one ray of light at the moment, and this is afforded us by the President's remarks, during his address to the annual meeting, concerning the control of barbitone preparations; if this is ultimately secured through the Pharmacy Act, it will to a certain extent recover some of the lost prestige, and may prevent the further addition of drugs which were never intended to come under the D.D.A.

Yours faithfully,

NONRUM (15/6).

J. I. (16/6). writes: I am sending you a line just to say how very much I have appreciated your article, "Regulation Mania," in *C. & D.*, June 12. It is the most sensible and able censure I have seen in print on the Dangerous Drugs Act Regulations, and I have called the attention of several of our men to it. It may buck up some members of the Pharmaceutical Council to more serious protest and continuous action towards amendment for bringing the Act and its penalties into line with common sense.

A Pharmaceutical Disgrace

SIR,—The report of the London Pharmaceutical Committee (*C. & D.*, June 5, p. 747) is a show-up of the boasted and busted idea that English justice is fair-minded. It may have been once, long ago, but not for the last forty years, and in a score of towns in England I have been invited by lawyers to come to Court with them "to see how justice is administered in England." Even our comic papers point out to strangers the law courts where they dispense with justice, in irony of course, but in Gospel truth for all that. "Truth" for forty years has ridiculed "Justices' Justice." The whole thing is a farce; in 1800 the common man was transported for life for stealing a sheep; in 1926 the same class is pampered into idleness as a right, and middle-class folk pilloried for trifles. I have not the time nor the ability to show it up as it should be done, but I invite the Editor of the *C. & D.* to do so, to give us a few notes from some of his leaders on "Officialism," "D.D. Act," "Savage Fines," "Traps for the Unwary," and the hordes of officials who fatten and batten on the drug trade. Put it all into a little booklet with a few notes on cases like (1) the analyst who expected the calomel powder to be in the bottle; (2) the case where the arsenic the analyst found was in the glass of the bottle. Or page 747 of *C. & D.*, June 5, which could be saved for use when we get dragged to Court. And use the illustration therein to point out the trap in the quinine mixture now being ordered with acid. hydrobrom. (a weak acid) in place of the old sulphuric acid. Also another trap in the ammon. carb., which ammonia we are supposed to weigh out for a 4d. fee instead of using solutions, as high-class shops do. This modern officialism blight is nothing more than a dole for college-bred men, mis-educated, past any useful work, and they and the colleges wangle these Acts and administrative jobs merely to find work for men and women who are really far more helpless than the ordinary labourer, on their own. We have now arrived at the stage when this official blight is raising the cost of production beyond the point at which we can compete with Germany and the United States, who do not suffer from the blight and can therefore undercut us in the markets of the world.—Yours truly,

JAY MACK.

Legal Queries

H. A. N. (10/6).—An article that has been the subject of a patent cannot be sold unstamped as a "known, admitted and approved" remedy, nor may a name be applied to one of the latter class of articles in which proprietary rights are claimed.

H. E. S. (8/6).—The preparations exempted (e.g., Dover's powder) by Regulation from the Dangerous Drugs Act are still "dangerous" drugs when exported, and cannot be shipped without observing the formidable technicalities of the Act.

L. A. M. (9/6).—Celery seeds as a natural product can be sold as a remedy unstamped. When you make a preparation from them and recommend it for an ailment you make the article liable to medicine-stamp duty. This is apart from the fact that a preparation such as you mention would not keep long enough for sale.

P. E. (10/6).—The cough mixture, the formula for which you send, should be labelled: "Contains, tr. chlorof. et morph. B.P. '85, 1 in 10.7, tr. camph. co. B.P. 1 in 5.4—Poison." The proportions are the nearest figures, but it would be sufficient to say 1 in 10 or 1 in 11 and 1 in 5 or 1 in 6 instead of inserting decimal figures.

C. C. A. (9/6).—(1) The Dentists Act does not prevent a person who is a registered dentist from carrying on another business. (2) It is not legal for an unqualified person to carry on the business of a chemist and druggist unless he carries it on as a limited company, and in the manner laid down in the Poisons and Pharmacy Act.

J. L. P. (9/6).—An unqualified person may not carry on the "business of a chemist and druggist," so that it depends upon how far your drug department comes within this description, and whether the public would be led to believe that such a business was being carried on. Otherwise there is no restriction on the sale of such drugs as are not scheduled poisons.

J. M. W. L. (7/6).—(1) We should not regard the sale of a liniment containing methylated spirits on Sunday as the sale of methylated spirits. The restriction we consider covers the sale of the spirits *per se*, and not as an ingredient of a lotion or liniment. (2) Surgical spirit can only be used for the purpose for which it is sanctioned, so that it cannot be employed as an ingredient in a toilet preparation without permission of the Board of Customs and Excise.

Polo (10/6).—(1) The name of the qualified chemist of a limited company must be given on the label with the business address, his certificate must be exhibited in the pharmacy, and the chemist must be registered as a superintendent with the Pharmaceutical Society, 17 Bloomsbury Square, London, W.C.1. (2) Labels of preparations containing a poison must show the name of the poison and the proportion or percentage of the poison contained therein, with the word "Poison."

R. J. G. (12/6) has an employee who will not bring his National Health Insurance card to be stamped. In the event of the illness of the employee can "R. J. G." be held liable in respect of his forfeiture of sickness benefit? [The employee is liable to a penalty for failing to obtain a card and produce it to "R. J. G." However, "R. J. G." is also responsible for seeing that the contributions are paid, and if the employee refuses to provide a card "R. J. G." must obtain an emergency card from the Post Office and stamp that each week.]

A. D. W. (7/6) has taken an apprentice, aged over eighteen, and asks who pays the National Insurance contributions. Does he obtain the form of indenture from the Post Office? [If the apprentice is in receipt of a money payment he must be insured. The ordinary rates of the contributions are 1s. 6d. per week for Health and Pensions Insurance, and 1s. 3d. per week for Unemployment Insurance, of which 9d. and 7d. respectively are payable by the apprentice. However, as regards Health and Pensions Insurance, if the rate of remuneration does not exceed 3s. per working day only 4½d. is recoverable from the apprentice, and if his remuneration exceeds 3s. but does not exceed 4s. per working day his share is 8d.]

T. H. H. (8/6) has engaged an assistant who has brought with him an Unemployment Insurance card, upon which the employer pays 10d. per week and the worker 9d., and a Health Insurance card upon which the employer pays 9d. weekly and the worker the same amount. Are these rates of contribution correct? [The Health and Pensions rates shown on the latter card are correct; but the Unemployment card shows the old rates, the present contribution being 1s. 3d. per week, of which 8d. is payable by "T. H. H." and 7d. by the assistant.]

H. L. (11/6).—We cannot find any definite ruling on the point you raise, but in the requirements by the British Home Office from hospitals opium (raw or medicinal) is returned as such. Preparations of opium are separated and morphine content asked for, not opium content. It would appear then that what they require is opium alone to be entered in the register and endorsed on the licence; preparations of opium, i.e., tablets, tinctures, pills, etc., to be entered under morphine and their content in that alkaloid, consequently the morphine licence should be endorsed.

Income Tax (14/6) says that last year he received notice from his local inspector of taxes to send in a certified copy of his firm's trading accounts for the previous three years, as well as a capital account for the ten years previous to that. "Income Tax" complied with this notice to the satisfaction of the tax authorities, having employed a firm of chartered accountants for the purpose. He now asks if it is necessary for him to employ an accountant in this way every year, more especially as he has now acquired the knowledge necessary for keeping the accounts himself. [It is not necessary. So long as the accounts are accurate and intelligible, it is quite immaterial by whom they are made out.]

W. J. H. (17/6) has a daughter who is a music mistress at a public school. The headmaster states that she must be insured under the National Insurance scheme. Is this essential? [Exemption from liability to be insured applies only to teachers in public elementary schools and in schools in respect of which a special order has been made. Evidently no exemption applies in the present case, consequently "W. J. H." must be insured unless she can obtain exemption upon one of the usual grounds, namely, that she is in receipt of an independent income of at least £26 a year, or is "ordinarily and mainly dependent for her livelihood upon some other person." However, in order to secure exemption upon either of those grounds a certificate must be applied for. We assume that the rate of her remuneration does not exceed £250 a year.]

J. L. (7/6) agreed to buy from an agent, at a fixed price, a second-hand sponge case. He knew the chemist to whom the case belonged and had seen that the case was in good condition. About a month later he received a note from a chemist whom he did not know stating that he had been instructed by the agent to forward a sponge case. "J. L." immediately wrote to the agent pointing out that the case was not the one he had ordered and refusing to accept delivery. However, at the agent's request, he took delivery of the case pending a call by the agent. The case supplied was in a dilapidated condition; but when the agent's son called some time later he said that an allowance of only 10s. from the agreed price could be made. "J. L." declined to pay that price, but offered to accept a valuation by an independent valuer. The agent agreed to that basis for a settlement, and the valuer's figure was half the price asked by the agent. The agent is now pressing for payment of the full amount. What should "J. L." do? [In the circumstances, we do not think that "J. L." has agreed to accept the substituted case, and we consider that he is entitled to reject it and refuse to pay anything. We assume, of course, that he can prove the facts stated to the satisfaction of the Court should he be sued for non-acceptance of the case. If, on the other hand, he decides to keep the case he cannot be compelled to pay more than a reasonable price for it. If the valuer's price appears to be a reasonable one, we suggest that he should pay the agent that amount.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

T. & Co. (20/5).—LIQUID NAIL POLISH.—The following is a modern formula from Poucher's "Perfumes, Cosmetics and Soaps":—

Stannic oxide,	of each	300 gm.
Talcum		
Osmose kaolin		100 gm.
Tragacanth		2 gm.
Glycerin		50 c.c.
Citral		1 c.c.
Water	to	1,000 c.c.

Rub the powders in a mortar with the glycerin, perfume and water, then pass through fine muslin.

H. H. (21/5).—STOCKTAKING.—The question of the frequency of taking stock is one usually settled by the demands of the local excise officer. Cases are reported where once in two years is accepted, but there is no hard-and-fast rule on the subject. Stock taken one year can be fairly well estimated the second year, but if the excise officer will not accept that as a true representation, and puts his claim up, there is only one way out.

Yorks (22/5).—DRUG-TRADE PRICES INDEX.—A comprehensive index for all chemists' lines cannot be given owing to the impossibility of finding a common basis that could be generally applied. In drugs and dressings, however, it can be given on average turnover for those lines in which a constant turnover is shown. This was last given in the *C. & D.*, January 2, p. 23, in graph form. The average figures for the years specified are:—

	Drugs and chemicals	Surgical dressings
1919	213.1	304.9
1920	328.4	426.8
1921	204.7	244.7
1922	164.7	204.2
1923	157.4	221.5
1924	157.3	251.5
1925	149.8	231.9

This covers the year from January to December, and so long as the business year is embraced within that period the argument based on the rise and fall is sound, but if other stretches of time are taken, the average above may not hold good, and reference to the full figures in the *C. & D.*, December 26, 1925, should be made.

G. D. R. (22/5).—DUSTING POWDER FOR CAPES IN FOWLS.—Camphorated chalk, with or without a small proportion of carbolic acid, is used for creating a dust in a coop in which the chickens are confined. The dust acts as an antiseptic and irritant so that the fowl is able to eject the worm which is the cause of the disease.

J. A. W. (24/5).—The cattle ringworm ointment containing mercury salts may safely be packed in metal boxes as the soft paraffin generally prevents reaction with the metal. We prefer a sulphur application for the purpose.

C. G. C. (25/5).—GASLIGHT DEVELOPER.—The following formula requires diluting with twice its bulk of water before use:—

Metol	75 gr.
Hydroquinone	60 gr.
Sodium sulphite cryst.	750 gr.
Sodium carbonate cryst.	750 gr.
Potassium bromide	37 gr.
Water	20 oz.

Other formulas for gaslight developers are given in the *C. & D. Diary*, 1926.

R. P. & Co. (26/5).—GLASS ETCHING.—The best results in etching glass are obtained by exposing the glass to the fumes of hydrofluoric acid. The acid is contained in a suitable leaden vessel, and the glass to be etched is exposed to the fumes overnight. Those parts of the glass which are not to be etched must be protected by a coating of wax.

Rex (28/5).—The quantity of mag. carb. levis (gr. 960) ordered in an 8-oz. bottle is probably a slip of the pen. Have you had the quantity confirmed by the prescriber?

G. S. W. (30/5).—PRESCRIPTION PRICE.—The following is the charge for dispensing the prescription you send on the *C. & D.* costing system:—

Sodii brom.	3iij.	2.5
Spt. amm. arom.	3j.	6.0
Glyc. papain.	3ij.	25.0
Sodii bicarb.	5iv.	1.0
Inf. gent. co.	ad 3viii.	7.0
Container		2.0
Fee		8.0

Charge, 4s. 4d. 51.5d.

J. S. P. (31/5).—(1) MOSQUITO LOTION.—The following will suit your label:—

I	II
Ac. carbol. 5ss.	Liq. plumb. subacet.
Aq. 3viii.	Liq. amm. fort. aa. 3ij.
	Camphoræ gr. xv.
	Glycerini 3iss.
	Aq. rosæ ad 3xx.

(2) We hope to publish the Commercial Compendium in book form when completed.

G. L. G. (1/6).—(1) ICE CREAM POWDER.—

Powdered starch	3j.
Powdered sugar	3j.
Powdered gelatin	3iss.
Azo-orange dye, a sufficiency, to tint	
Essence of almonds	mx.
Essence of vanilla	mx.

Mix well and sift.

This quantity is sufficient for a pint of milk, with which it is to be mixed, then brought to the boil, and when cold put in the freezer. Other colouring and flavours may be used, according to the kind of ice-cream desired.

(2) IODISED TABLE SALE.—See *C. & D. Diary*, 1926, p. 276.

C. C. (1/6).—WOOD-LICE OR MILLEPEDES are best got rid of by trapping—pieces of mangold or potato are generally used. The traps are destroyed when charged with the insects. Carbon bisulphide is a poison to wood-lice, but if the pest is in buildings it may not be advisable to use it, as there is risk of fire from the vapour.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," June 15, 1876

The Benevolent Fund

In an article entitled "Pharmaceutical Toryism" dealing with the council meeting of the Pharmaceutical Society of Great Britain occurs the following:—

Passing on with this panorama of unfortunate decisions, we come to another discussion, the result of which we cannot regard as other than melancholy. It was on the proposal we have ourselves urged several times, that candidates for annuities should be saved the cruel expense of canvassing for votes by means of a simple prohibition of the system by the council. It needs no argument to show how, as far as it is of any use whatever, canvassing directly aids those who least need the advantages sought. The assertion, that the council has no right to make such a prohibition is surely not serious; what seem to be really the grounds of refusing this reform are, first, the innate conservatism of the majority, and, secondly, the atrocious reason coolly and openly presented by Mr. Owen, that this canvassing brought in fresh subscribers. In other words, it is found to be an excellent plan to advertise the fund at the expense of these poor applicants for relief. The Benevolent Fund, we hope, could bear the loss of those supporters, if such exist, who subscribe merely for the miserable gratification of being asked for their votes. The well-known old story of Abernethy is applicable here. He was once a candidate for some important appointment, and in the course of a canvass he called with some influential friends on a certain wealthy grocer, of the character so respected by Mr. Owen. "Well, sir," said the pompous shopkeeper from behind his counter, "You have called, I suppose, to solicit my vote and interest at the approaching election." "No, I haven't," retorted the disgusted doctor; "I want a penn'orth of figs; come, be quick and wrap them up, for I am in a hurry."



[Commenced C. & D., July 5, 1924]

Foreign Exchange.—See Exchange, Rates of.**Foreign Exchange Conversion.**—See Exchange, Rates of.

Formaldehyde, Commerce of.—The following figures show the exports, re-exports from, and imports into the United Kingdom for the year 1920 to 1924 inclusive, together with the countries of destination, these being the latest figures available :—

Exports					
	1920	1921	1922	1923	1924
	lb.	lb.	cwt.	cwt.	cwt.
Netherlands ..	58,067	4,432	7	140	—
France ..	51,473	36,960	614	100	2,761
Other foreign countries	91,444	69,120	162	451	1,512
Total to foreign countries ..	200,984	110,512	783	691	4,273
Value ..	£ 24,458	6,117	3,337	2,784	13,313
Total to British Possessions ..	57,370	78,970	721	616	921
Value ..	£ 6,681	4,526	3,081	2,687	3,071
Total ..	258,354	189,482	1,504	1,307	5,194
Value ..	£ 31,139	10,643	6,418	5,471	16,384

Re-exports					
	1920	1921	1922	1923	1924
	lb.	lb.	cwt.	cwt.	cwt.
Germany ..	25,402	2,412	—	—	—
Netherlands ..	20,686	7,128	—	—	305
Belgium ..	45,200	2,500	1	5	1
France ..	15,835	26,505	448	100	130
Switzerland ..	34,496	6,288	—	—	—
United States ..	13,680	10,400	—	—	—
Other foreign countries ..	12,746	58,145	114	81	196
Total to foreign countries ..	168,045	113,378	603	186	632
Value ..	£ 21,903	6,514	2,432	731	2,075
Total to British Possessions ..	15,950	30,829	212	212	211
Value ..	£ 2,153	1,629	1,011	882	750
Total ..	183,995	144,207	815	398	843
Value ..	£ 24,056	8,143	3,443	1,613	2,825

Imports					
	1920	1921	1922	1923	1924
	lb.	lb.	cwt.	cwt.	cwt.
Sweden ..	159,509	—	470	613	420
Germany ..	1,260	236,057	882	9,701	4,263
France ..	108,557	—	—	—	—
Switzerland ..	49,729	43,178	685	653	429
United States ..	3,651,581	422,241	919	9,906	11,883
Other foreign countries	110,218	100,161	498	828	3,563
Total from foreign countries ..	4,080,854	801,637	3,454	21,701	20,558
Value ..	£ 460,328	44,285	12,141	69,086	55,571
Total from British Possessions (Canada)	91,948	253,554	6,835	6,478	1,809
Value ..	£ 12,883	8,606	22,202	24,631	5,160
Total ..	4,172,802	1,055,191	10,289	28,179	22,365
Value ..	£ 473,211	52,891	34,343	93,717	60,731

Formalin is the trade name for "40 per cent." solution of formaldehyde gas, the real strength, however, averaging nearer 36 per cent. Formalin was the subject of a patent for a new antiseptic which in this country expired in 1900. The pharmacopœial equivalent, liquor formaldehydi, has a specific gravity of 1.079 to 1.081, and should contain 36 to 38 grams of formaldehyde (H.CHO) in 100 millilitres of the solution. The commercial product is made by oxidation of methyl alcohol

(wood spirit) by air in the presence of a catalyst (copper gauze or copper couple, the latter consisting of copper coated with a film of silver or platinum). Formalin is liable to become cloudy in consequence of polymerisation of formaldehyde; to prevent this, it is customary to leave some methyl alcohol in commercial formalin, which may correspond in percentage composition to formaldehyde 36, methyl alcohol 12, water 52. The industrial applications of formaldehyde are many, as it readily yields condensation products with many organic substances. Examples of commercial processes are the production of artificial ivory or galalith (from casein) and artificial resins or bakelite (with phenols), and the coagulation of rubber latex. Many important dyes are condensation products of formalin. The utility of formalin as a germicidal antiseptic is handicapped by its chemical activity in uniting with proteins, carbohydrates, and animal substances in general. The treatment of meat with air passed through formalin and the preservation of milk with formalin have been abandoned, owing to its changing the nutritive character of proteins. Formalin is still used in brewing and sugar industries for sterilisation of vessels and rooms, and for hardening (sole) leather in tanneries. Its property of making gelatin or casein insoluble is utilised in the textile and paper-making industries for stiffening, glossing, loading and waterproofing fabrics and fixing sizes. Straw hats are waterproofed by impregnation with gelatin solution and subsequent hardening with formalin. Embalming of corpses, preservation of museum specimens, hardening of microscopical preparations and photographic plates are other applications of condensation reactions of formalin with organic substances. Formaldehyde gas obtained from formaldehyde solution (or preferably by vaporisation of solid formaldehyde or paraformaldehyde) is an alternative to sulphur dioxide as a means of sterilising rooms after infectious disease. Each 1,000 cubic feet of space requires about 2 oz. of formalin solution; but it is preferable to spray walls and furniture with water and vaporise about $\frac{1}{2}$ oz. of paraformaldehyde per 1,000 cubic feet of room space. Windows and doors should be closed tight, and the room left shut up for several hours. The usual packing is wax-lined casks of 100 lb. and occasionally in carboys of 60 kilos, the latter only when specially requested by a buyer. There are no railway restrictions. For shipment it is generally carried "on deck."

Formamint.—A word formerly registered in this country as a trade-mark; as a result of legislation during the European war the trade-mark was avoided, and the name became public property.

Formic Acid (HCOOH) is obtained industrially from formates which are made by the interaction of carbon monoxide (under pressure) with metallic oxides or alkaline hydroxides. The acid was originally obtained from the red ant (*Formica rubra*), hence its name, and it is the irritant in the stinging hairs of the common nettle (*Urtica dioica*). Anhydrous formic acid is an intensely corrosive liquid with a penetrating odour, boiling at 99.90 C. and having a specific gravity of 1.226 at 15° C. Acid. formic, conc. is 80 per cent. strength, and is used with sodium bicarbonate to make carbonated or effervescent formic baths. Medicinal formic acid (s. g. 1.051 to 1.064) 24 to 25 per cent. strength, and has long been used as a diuretic in 2 to 10 minim doses. A more recent therapeutic application depends upon an alleged tonic action, upon striped and plain muscle; hence it has been prescribed, usually as sodium formate, to restrain the involuntary tremors of chorea and paralysis agitans. Formic acid and formates should be well diluted for internal administration. Formic acid (0.1 per cent.) acts as a food preservative, but cannot be recommended for this purpose, as it is a strong reducing agent.

Formula.—Literally meaning "a little form" ("forma" being the Latin for "form"), the word "formula" has proved an adaptable one since its first appearance in English in religious and ceremonial usage. By 1706 it had come to mean a physician's prescription—a connotation afterwards extended to a recipe or list of ingredients; by 1795 it was employed in mathematics; and by 1846 it found a use in chemistry. An empirical chemical formula represents the element or elements



The C.&D. Commercial Compendium



indicated in it by symbols, together with their respective ratios to each other when more than one are present. A molecular formula shows the number of atoms of each element present in a molecule of a given substance; a constitutional formula gives the relative positions of atoms and groups of atoms in molecules by means of dots or lines; and a graphic formula discloses such relations in more extended form. Botany makes use of floral formulas to show in a small space the scheme of the separate parts of flowers: such formulas appear from time to time in the "Progress of Pharmacy" section of THE CHEMIST AND DRUGGIST. Dental formulas are employed to illustrate dentition; and optical formulas occur in prescriptions for glasses.

Fossil Earths is an alternative title for infusorial or diatomaceous earths, such as kieselguhr (q.v.), which is made by incinerating the siliceous remains of diatoms.

Founders' Shares.—Founders', or, as they are sometimes called, management, shares are a species of deferred shares which entitle the holders to a certain portion of the profits which remain over after a specified dividend has been paid on the ordinary shares of the company. They are commonly allotted as remuneration to the founders or promoters of the company, or to those who underwrite the capital. They may also be allotted to persons who are induced in that way to take up some of the ordinary shares. Their existence in a company is an element of weakness in the flotation which it is thought necessary to direct the attention of the speculative public to; and the Companies (Consolidation) Act, 1908, Section 81, provides that every prospectus issued by or on behalf of a company or by or on behalf of any person engaged or interested in the formation of the company must state:—"The number of founders' management, or deferred shares, (if any), and the nature and extent of the interest of the holders in the property and profits of the company, and also the voting rights of each class." Apart from the serious present burden which founders' shares impose on a company, they have commonly the further undesirable feature that they may create difficulties on any reconstruction of the company. At the same time they are necessarily a drag on the development of a company; if a fixed proportion of the net profits is allocated to the holders of founders' shares, the other shareholders could not be expected to look with favour on an extension of the company's business which would result in a reward to the holders of founders' shares out of all proportion to their initial services.

Fountains for Display.—Movement of any sort is valuable as a means of attracting attention, but it must be favourable attention, which will cause people to look at the goods displayed. The trouble with funny little automatic figures is that they seldom do more than cause the passer-by to smile; in any case, their novelty soon wears off. Moving water always has a pleasing effect as an aid to interior or to window displays, and for this reason fountains are valuable in conjunction with special exhibitions of goods in the shop or window. The retail chemist who wishes to make use of a fountain for window or interior display purposes may find, however, that he is involved in certain difficulties. Probably his best method is to make one himself. It can be done by means of an electric motor and pump, if the cost of these appliances is justified in his case. An alternative and less expensive proceeding is to have a small hose pipe connected up with the water tap. When the water is turned on the force of the pressure through a small rose or spraying device would give the desired effect. This, however, must be done carefully; the pipe and other accessories should be so placed that no water drips where it is likely to do damage, and it is advisable to make fairly frequent inspection for possible leakages. Certain devices are available which permit the same water to be used over and over again, but they are elaborate and expensive. Another difficulty about fountains in the window is that they may cause a certain

amount of moisture from the spray to accumulate on the plate-glass in front, and thus nullify the effect for which they are used. Good ventilation will sometimes eliminate this difficulty. Where the effect of moving water is desired, and it is not possible to introduce an ordinary fountain into the shop window, there is a sign available which makes an excellent substitute. It is constructed of glass tubing blown to form any letter, word or design, and fixed to any suitable background. By an ingenious arrangement coloured bubbles are caused to pass through the glass tubing continuously, any colour being obtainable by using aniline dye. The two principal ingredients which supply the moving effects are air and water. The coloured water passes down a rubber tube into the glass bulb, into which air has been introduced. The mixture of air and water at this point produces the bubbles, which pass down the glass tube, and continue through the full length of the sign. The water is supplied from a small tank, which can be hidden away on a shelf high up in the window, and is passed through the sign into a receptacle, which can be placed under the base of the window. By means of a hand-pump, the water is transferred from one tank to another, and the operation, which takes two minutes, is only necessary once a day. A "chasing" effect, similar to that given in some of the large outdoor signs, can be produced on this sign, if desired, as a border. It is a good plan to purchase a sign with a square aperture in the centre of the background, behind which a show-card or a line of goods can be placed. This space is usually covered with celluloid or some other transparent material, the card or goods behind the transparency being changed as often as required.

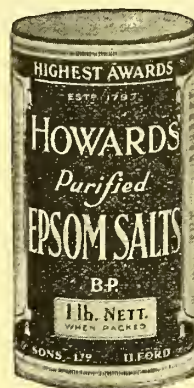
Fractures: First-Aid.—When a fracture is suspected the essential point in treatment is to immobilise the joints above and below the site of fracture. This is usually effected by means of splints. In the case of fractures of the thigh or leg bones, emergency splints may be used, such as walking-sticks or umbrellas, handkerchiefs taking the place of bandages to attach them to the limb; gentle traction should be applied to the limb by an assistant while the splints are being fixed. In the case of the upper arm or forearm, if short pieces of wood are not available, the arm should be placed in a broad sling and bound to the side, so as to keep the ends of the broken bones from causing pain or piercing the soft tissues, until surgical help can be obtained. Fractures of the collar bone are treated by bracing both shoulders back by means of two handkerchiefs, each passing through the armpit and over the tip of the shoulder, a pad being placed in each armpit. The handkerchiefs should then be tied together over the back of the patient either by their free ends or by means of another handkerchief looped through them.

Free Alongside Ship (f.a.s.).—Goods sold to be delivered free alongside a ship or wharf must be carried there at the expense of the seller, and are at his risk until arrival alongside the ship.

Free on Board (f.o.b.) signifies that the price of the goods includes all charges (packing, railway charges, dock dues or lighterage, cost of bills of lading, etc.) up to and including placing the goods on board the vessel. The moment they are shipped they are at the buyer's risk and he must pay the cost of their removal.

Free on Rail.—Under an ordinary f.o.r. contract the seller must deliver the goods loaded on rail at a point agreed to in the contract, at his own expense. Thereafter the goods are at the buyer's risk, and he is responsible for the freight and any subsequent charges. It is usual for the seller to advise the buyer, or his agent, of his having loaded the goods on rail or of his intention to do so. The buyer is responsible for any loss by damage, theft or in any other manner that may occur after the seller has carried out his part of the contract. The buyer, however, has a right to claim against the seller if, upon arrival, the goods are found to be not of the quality and description stated in the contract.

HOWARDS' PURE EPSOMS



Are unsurpassed for—

PURITY, WHITENESS

and

BEAUTIFUL CRYSTALLIZATION

Nothing superior to Howards' present make
is to be found on the market.

GRADED as "ORDINARY" (Feathery)
MEDIUM
MAJOR

The Ordinary and Medium Crystals are supplied in original
packages as follows :

- 1, 2, 4, 8, 16 oz. Packets and Barrel Cartons.
- 7, 14 and 28 lb. Parcels.
- 1, 2 and 5 cwt. Casks.

HOWARDS & SONS, Ltd. (Estd. 1797), Ilford, LONDON

ask
BERK

Acid & Chemical Manufacturers Since 1870

for

ACIDS

Sulphuric
Nitric
Hydrochloric
Lactic
Hydrofluoric
Citric
Tartaric
Perchloric

**CITRIC ACID
CRYSTALS
B.P.**

HYPEROL

SOLID HYDROGEN PEROXIDE 33%

Telephone: Avenue 9362 (6 lines) Wires: 'BERK' Phone, London

**HEAVY & FINE
CHEMICALS**

Quicksilver
Mercurial Salts
etc.
Medicinal
Chemicals
CRUDE DRUGS
American
Botanicals

F.W. BERK & CO LTD 106 FENCHURCH ST. LONDON E.C.3. Works at STRATFORD E. and MORRISTON, GLAM

JAPANESE
QUININE
SALTS

B.P. 1914

Manufactured by

HOSHI PHARMACEUTICAL CO., Ltd., TOKYO, JAPAN.

STOCKS IN LONDON

AT COMPETITIVE PRICES FROM SOLE AGENTS

RALPH L. FULLER & CO., LIMITED,

Phone: Royal 1677-1678;

21 Harp Lane, London, E.C.3. Wires: "Ralfuller, London."

ALKALOIDS

Fine Chemicals Opium Derivatives

SALICIN
CAPSICIN
CANTHARIDIN
PODOPHYLLIN
HYOSCYAMINE
HOMATROPINE
JALAP RESIN
IRIDIN
ALOIN
GINGERIN
LITHIA SALTS
SCAMMONY RESIN

MORPHINE
CODEINE
STRYCHNINE
CAFFEINE
EMETINE
THEOBROMINE
CHLOROFORM

OPIUM
TELA VESICATORIA
VERATRINE
ATROPINE
CHRYSAROBIN
DIAMORPHINE
EMETINE
BISMUTH IODID.
EMP. CANTH. LIQ.
ETHYL MORPHINE
HYDROCHLOR.
ERGOTIN

Goods covered by Dangerous Drugs Acts offered subject to all regulations.

T. & H. SMITH L^{TD}

BLANDFIELD WORKS: 25 CHRISTOPHER STREET: 32 & 34 VIRGINIA STREET
EDINBURGH. : LONDON, E.C.2. : GLASGOW.

Sturgeon Brand Chemicals

CITRIC ACID

CITRATE of POTASH
CITRATE of SODA
FERRI et AMMON. CIT.

Effervescing

CITRATE of
MAGNESIA

etc.

FLUID
MAGNESIA

LAC MAGNESIA

PRECIPITATED CHALK

CALC. CARB. PRECIP.

for Dentifrice Pastes, &c.



ESTD. 1823

ROCHELLE SALTS

PULV.

SEIDLITZ

TARTRATE of SODA
TARTRATE of POTASH

BICARBONATE
of POTASH

CARBONATE of POTASH
B.P.

CREAM of TARTAR

JOHN & E. STURGE L^{TD} WHEELLEY'S LANE BIRMINGHAM

AGENTS:

H. J. BAKER & BRO., 81 Fulton St., NEW YORK

G. REINBOLD & CIE., 63 Rue des Archives, PARIS

CABLES: "STURGEON, BIRMINGHAM"

CODES: A.B.C. 5th & 6th Edns., BENTLEY'S

MARCONI INTERNATIONAL



TRADE **"TWENTY MULE TEAM"** MARK

BRAND

BORAX B.P. Quality
CRYSTAL POWDER

BORIC ACID B.P. Quality
CRYSTAL POWDER

Guaranteed to comply with the requirements of the British Pharmacopœia.

BORAX CONSOLIDATED LTD.
16, Eastcheap, London, E.C.3.

"Multum in Parvo."

"VAPOFORM" Disinfectant

Regd.

For disinfection of Rooms Confined Spaces, &c.	for HOME and HOSPITAL	Has no injurious effects whatever on Furniture, Utensils, &c.
--	--------------------------	---

Small size, capable of disinfecting
1000 to 2000 cubic ft., 8/6 per doz.
Large size, capable of disinfecting
3000 to 6000 cubic ft. 13/- per doz.

Sole Proprietors—

HARKNESS, BEAUMONT & CO.
Wholesale Chemists, EDINBURGH.

LIQUORICE ROOT

**Liquorice Root
Blocks and sticks**

(WHOLESALE ONLY)

A. ELDER REED & CO.

Wholesale Drug Importers,

19 St. Dunstan's Hill, London, E.C.3

Tel. Nos.: Royal 3282, 7000. Tel. Add.: "Eldereed, Bilgate, London."

Telephone: CLERKENWELL, 1315;

Telegrams: "ETHERMETH, SMITH, LONDON."

ALFRED WHITE & SONS, LTD. (Established 1775)

Manufacturing and Export Chemists

28-31 ALLEN ST., GOSWELL RD., LONDON, E.C.1.

ACIDS (Pure and Coml.)
BISMUTH SALTS
CHLOROFORM
CITRATES

ETHERS (all gravities)
HYPOPHOSPHITES
LIQ. AMMONIA
MERCURIALS

QUININE SALTS
SP. AMON. AROM.
SP. ETHER NIT.
IODINE PREPARATIONS, Etc.

CHEMICALS FOR RESEARCH, ANALYTICAL, PHARMACEUTICAL AND TECHNICAL PURPOSES.



Hubbuck's Pure Oxide of Zinc

is made by sublimation, and is warranted to contain upwards of

99.5 PER CENT.

of pure oxide; in fact, the impurities are not traceable.

Thos. Hubbuck & Son, Ltd.

ESTABLISHED 1765

24 Lime Street, London, E.C.3.

MANUFACTURERS OF WHITE LEAD, WHITE ZINC, PAINT, OILS, COLOURS, VARNISHES, &c.

Australian Office: 34 Queen St., Melbourne.

Sold by the following Wholesale Druggists in Boxes of 7 lb. and 14 lb. stamped by the Manufacturers; also in 1-lb. Boxes and 1-lb. Glass Bottles.

Allen & Hanburys (Lim.)	Holmes & King
Ayrton, Saunders & Co. (Lim.)	Horner & Sons
Reil, Jno., & Co.	Muskliss, H. O., & Co.
Bleasdale (Lim.)	Imman's Stores (of Edinburgh)
Roots Pure Drug Co. (Lim.)	Lofthouse & Saltmer (Lim.)
British Drug Houses (Lim.)	Mackay, Jno., & Co. (Lim.)
Burgoyne, Burdidge & Co.	Oldfield, Pattinson & Co.
Butler & Crispe (Lim.)	Pinkerton, Gibson & Co.
Clay, Dod & Co.	Potter & Clarke (Lim.)
Cockburn & Co. (Lim.)	Raines, Clark & Co.
Corbyn, Stacey & Co. (Lim.)	Raines & Co.
Dakin Brothers	Rankin & Boriand
Duncan, Flockhart & Co.	Silversides, R. B. G.
Evans, Gadd & Co. (Lim.)	Smith, T. & H., (Lim.)
Evans Sons, Lescher & Webb (Lim.)	Southall Bros. & Borelly
Ferris & Co.	Sumner, R., & Co.
Gale & Co.	Thompson, John, (Lim.)
Glasgow New Apothecaries Co.	Wilkinson & Simpson (Lim.)
Goodall, Backhouse & Co.	Willows, Francis, Butler & Thompson (Lim.)
Harker, Stagg & Morgan (Lim.)	Woolley, Jas., Sons, & Co. (Lim.)
Harkness, Beaumont & Co.	Wright, Layman & Umney (Lim.)
Hartick, W. & R., & Co.	Wyleys (Lim.)
Hirst, Brooke & Hirst.	

Barry, F. J., New York
Finlay, Dicks & Co., New Orleans
E. Fougere & Co., Inc., 90/92 Beekman Street, New York
Chas. L. Huisking, Inc., 5 Platt Street, N. York
Lehn & Fink, Inc., N. York

McKesson & Robbins, Inc. New York
Muth Brothers & Co., Baltimore
Roller & Shoemaker, Philadelphia
Schieffelin & Co., Inc., New York
Shoemaker & Busch, Philadelphia

GLYCERINE

PRECIPITATED CHALK, MINERAL OILS & JELLIES

LIQUORICE guaranteed pure

(BLOCK, STICK & ROOT)

DECOLORISING CARBON

COD LIVER OIL. OLIVE OIL. CASTOR OIL.

PERSULPHATES: Ammonium, Potassium and Sodium.

HALLER & PHILLIPS, LTD.

(Established as GEO. HALLER & CO., in 1878)

Mildmay Chambers, 69 Bishopsgate, London, E.C.2
Phones: London Wall 4456/7. Tel. Add.: "Haloid, Stock, London."

Telegraphic Address:
"Amphora, Leicester."

Nat. Tel.
Central 5218, 5219.

E. H. BUTLER & SON

Manufacturing Chemists & Wholesale Druggists

93 Humberstone Gate, LEICESTER

FOR

DRUGS

PACKED GOODS

PILLS & TABLETS

PROPRIETARIES

MOTOR DELIVERIES COVERING THE MIDLANDS.

"STERLING BRAND" CHEMICALS

for all

PHARMACEUTICAL PURPOSES

SODA SALTS

TEREBENE

ETHERS

RESINATES

LITHIA SALTS

IODIDES

NITRATES

GLYCEROPHOSPHATES

BISMUTH SALTS

REAGENTS

ANTIMONY SALTS

NICKEL SALTS

DEPILATORIES

THOMAS TYRER & CO., Ltd.

STIRLING CHEMICAL WORKS,

STRATFORD - LONDON, E.15

Telephone:
MARYLAND 2510 (2 lines).

Telegrams:
TYREMICUS, PHONE, LONDON.

THERE IS ALWAYS A DEMAND FOR
SUGAR COATED PILLS
 MADE BY
PARKINSONS

It Pays to Stock Them.

Trade Enquiries Solicited.

PARKINSONS MANUFACTURING CHEMISTS **BURNLEY**

THE BEST HOUSE FOR
ASPIRIN
CASCARA
 AND ALL TABLETS IN BULK.

Write for samples and prices before buying.
 Superior machinery and scientific control.

R. GIBBINS & CO.

1 BIRKBECK ROAD, KINGSLAND, LONDON, E.8.

ENGLISH
DRIED ROOTS, HERBS, Etc.

WHOLESALE QUANTITIES ONLY

Dandelion Root	Agrimony Herb
" Cut	Broom Tops Cut
White Bryony	Meadowsweet
Yellow Dock	Mouse Ear
Colchicum Corms	Nettles
" Seeds	Parsley Plant
Elderflowers	Red Centaury
Clover Flowers	Self Heal
Elderberries	Wood Sage
Bittersweet Twigs	Yarrow, etc.

For full lists with terms apply

J. Flemons & Sons (Herb Merchants) **Dunstable**

Tablets

Enquiries are invited for
ASPIRIN AND CASCARA
TABLETS

IN BULK OR PACKED.

A Customer writes :—"Re Aspirin Tablets. Your sample was one of the best we have ever had, we anticipate doing good business with you if you can maintain that quality."—WE CAN, AND MEAN TO!!

LET US QUOTE YOU.

CASTLE HUSKISSON, LTD.

Manufacturing Chemists,

Swinton Works, Moon St., Islington, N.1

ESTAB. 1768.

Private formulæ Pills and Tablets carefully and accurately prepared at lowest possible prices.

Pills

HOPKIN & WILLIAMS
 LTD.

FINE
CHEMICALS

16 & 17 Cross Street,
 Hatton Garden, E.C.1.

RIPPIN
 FOR
BENJAMIN

CALL AND INSPECT OUR SAMPLES.

Phone : ROYAL 2165.

A.J. RIPPIN, Ltd., 17 Harp Lane, E. C.3

**ADRENALIN**Physiological and
Synthetic**CARMINE**

Pure Nacarat

SAFFRON

Genuine Valencia

PEPSIN**THYMOL**

Fine White

COD LIVER OIL

Finest Lofoten

SULPHONAL

Powder and Crystal

METHYL SULPHONAL**B.P.**

Pharmacists are invited to write for literature on new scientific products being issued to the Medical Profession. Practitioners frequently ask for the name of Local Chemists from whom these preparations may be obtained. ASTHMOLYSIN—ANGIOLYMPHE—ANUSOL—IDOZAN—KATHIOLAN—CADECHOL—LOBELIN—BILIVAL as some of the most recent. A Postcard to the "Manager, Medical Department," will secure prompt attention.

CHAS. ZIMMERMANN & CO. (Chemicals) LTD.
9/10 ST. MARY-AT-HILL, LONDON, E.C.3

Telegrams Inland : "Acidolan, Bilgate, London."

Telephone : Royal 1866 (four lines).

E. MERCK Chemical Works **DARMSTADT**
Germany

Antithyroidin, Magnesium - Perhydrol,
Stypticin, Dionin, Helminal, Choleval

are some of Merck's Pharmaceutical Special Products that are now being extensively and regularly advertised to the Medical Profession. You may be asked about them and get prescriptions for them. Supplies are obtainable from the

London Depot: **JOHN BELL & CROYDEN, LTD.**
Lawrence Road, Tottenham, N.

QUININE

QUINIDINE
CINCHONINE
CINCHONIDINE

and

SALTS

Sugar-coated Quinine Tablets and Pills.

Gelatine-coated Oval Pills.

BANDOENG
JAVA

BANDOENG QUININE FACTORIES

AMSTERDAM
De Wittenkade 48-50.

Telegrams: "Kininefabriek Bandoeng."

Samples, prices and particulars on application.

Telegrams: "Semadny Amsterdam."

JOH. A. BENCKISER, LUDWIGSHAFEN - ON - RHINE

TARTARIC ACID

IN POWDER
CRYSTALS and
GRANULATED

GUARANTEED IN STRICT ACCORDANCE WITH B.P.'14

ACID PYROPHOSPHATE OF SODA

Quality in all respects equal to Cream of Tartar, especially as regards stability of Baking Powder.

Please address all communications regarding Tartaric Acid to:

Vereinigte Weinsaeurefabriken G.m.b.H., Wiesbaden, Mainzerstr., 25.

E. MERCK Chemical Works **DARMSTADT**
Germany

Fine Chemicals
Alkaloids
Guaranteed Reagents

Specify "Merck"

Merck's Chemicals are the
Standard and cost no more

Direct Correspondence solicited

"SPUN"*The Finest Manufactured*OINTMENTS
COLD CREAMS
VANISHING CREAMS
TOOTH POWDERS*Get ready for the summer with these goods, the most reliable and best selling in London, country or seaside.*

We make **SALINE, CITRATE, EFFERVESCENT CARLSBAD, BATH CRYSTALS, BRILLIANTINES** and other preparations generally. All most attractively packed, and handling them is a pleasure.

CHEMICAL FOOD, SYRUP HYPOPHOSPHITES, SYRUP OF FIGS, VUNDI, PURE CREAM SALAD OLIVE OIL in Provençe Oil bottles. Reputed $\frac{1}{4}$ pint, $\frac{1}{2}$ pint and 1 pint.

Prices and Samples by return. PLACE YOUR ORDER AND SATISFACTION WILL BE GUARANTEED

Telephone:

HOP
2415.**ROBERT BLACKIE**

Wholesale Manufacturing Chemist

Shen Works, Tower Bridge Road, LONDON, S.E.1

Telegrams:

"Ushenspuna,"
London.**ALL CHEMISTS
SHOULD STOCK****ABDINE***THE GOLD MEDAL HEALTH DRINK.*

Quick Seller. Big Profits. Over 40 years' Reputation.
"Abdine" is the most popular Health Drink, superior to all Mineral Waters. The Original and only genuine Fruit Drink.

Reduced Price List can be had on application.

DUNCAN McGLASHAN, LTD., ABDINE WORKS, WESTFIELD RD., EDINBURGH

*Kaylene*SALINE
LAX
MINT
PLAIN**COLONOL**LIQUID
PARAFFIN

A pure colloidal hydrated silicate of alumina in finest state of subdivision and highest chemical purity.

Sole Distributing Agents,

A Guaranteed Russian Oil of extra high viscosity.

Telephone Mayfair 1608
Telegrams**H. E. CURTIS & SON, Ltd.** 7 Mandeville Place, LONDON, W.1**ERGOAPIOL (Smith) PROTECTIVE MARK**

Patented in U.S. and Foreign Countries.

Ergoapiol (Smith) is now identified by the letters M.H.S. in the gelatin on the inside of each capsule. These letters are not visible from the outside, but they are plainly discernible in the gelatin when the capsule is cut in half.

MARTIN H. SMITH CO. NEW YORK, N.Y.*British Agents—*

THOS. CHRISTY & CO., 4-12 Old Swan Lane, London, E.C.4

ESTABLISHED OVER 60 YEARS**PERRYS
POWDERS****FOR CHILDREN'S AILMENTS**

TRADE



MARK.

Wholesale from **PERRYS POWDERS, Ltd., LEEDS****BESORBON****Richard Dickeson & Co.***(Dr. Hill's Formula)*

MEDICINAL SNUFF. ABSOLUTELY THE
FINEST REMEDY FOR CATARRH & GOLD
IN THE HEAD.

*(Incorporated with Reynolds, Sons & Co., Ltd.)***57-59 CHARTERHOUSE STREET, LONDON, E.C.1.**

A REAL "Best Seller!"

If you keep a list of best selling lines, as many Chemists do, you're certain to have a place in it for Snowfire Cream. This exquisitely fragrant skin beautifier grows more popular everywhere, everyday—bringing more profits to chemists handling it. Sound advertising not only maintains demand but keeps it on the increase. Among popular priced face creams—this is a real "Best Seller."

Snowfire CREAM



Sold in handsome opal jars and neat aluminium containers and retails at 1/3 and 3d. respectively.

F. W. HAMPSHIRE & Co.
Ltd.
Riverside Works, Derby

WORTH A GUINEA A BOX.

Beecham's Pills

HOME PRICE LIST

Beecham's Pills:

1s. 3d. size	-	11s. 9d. per dozen
3s. 0d. "	-	28s. 0d. "
5s. 0d. "	-	54s. 0d. "

Less 2½% Cash Discount.

A further 5% allowed for Window
or other Advertising display.

Orders: Minimum quantity £5 value (Assorted sizes).

PACKAGES FREE. CARRIAGE PAID.

TERMS: CASH WITH ORDER.

Cheques to be made payable to THOMAS BEECHAM,
and crossed "Westminster Bank, Ltd., St. Helens."

THOMAS BEECHAM, ST. HELENS, LANCs.

(Proprietors: Beecham Estates and Pills, Ltd.)

OINTMENTS

PACKED or BULK

We are Selling Agents
to the Retail Trade

FOR

"LEONA"

BRAND

OINTMENTS

THESE ARE THE FINEST QUALITY
OINTMENTS IN THE COUNTRY.
MADE FROM THE VERY BEST IN-
GREDIENTS BY A HIGHLY SKILLED
STAFF OF TECHNICAL CHEMISTS.

**ALL OINTMENTS GUARANTEED
B.P.**

WHERE OFFICIAL.

BORIC, ZINC, SULPHUR,
CARBOLIC, BASILICON, COLD
CREAM, CAMPHOR ICE,
COCOA NUT OIL, NURSERY
POMADE, TOILET LANOLINE,
HEALING OINTMENT, BLUE
OINTMENT, INDIAN CERATE
and MARSHMALLOW.

Write for Samples and

PRICES

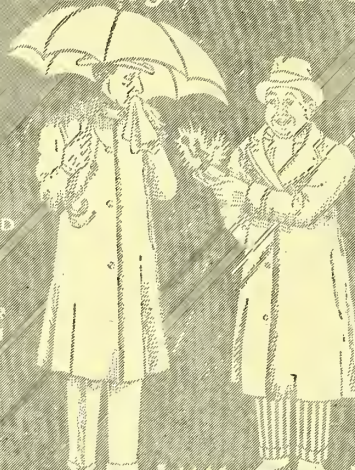
which are the

LOWEST IN THE TRADE

A.S. PRICE & Co., Ltd.
BLACKHEATH, BIRMINGHAM

Phone: BLACKHEATH 1217

Little Black Devils.
FOR
Coughs, Throat & Colds, Voice.



6^D PER TIN 6^D PER TIN

Have a Little Devil and stop that Cough!

LITTLE BLACK DEVILS (Regd.)

MENTHOL & LIQUORICE
FOR
VOICE & THROAT

Don't be out of Stock of this Best Seller.

GROSS QUANTITIES **45/-**

SMALLER " **48/-**

(Less 2½% one month.) Carriage paid.

Special Terms to Wholesale Buyers.

Samples Mailed on Receipt of Postcard.

BEWELLS LTD.

Manufacturing Chemists,

19/21 Pitfield St., London, N.1

'Phone: Clerkenwell 5521.

Per Tin
POPULAR **6^D** Retail
PRICE

The Campaign Against The Mosquito.

An official report by H.M. Minister of Health says:—

"Britain harbours twenty-six species of Mosquitoes and last year their bites caused seven *known* deaths and much illness."

"SPECIFENE"

*For Blood Poisoning and Inflammation.
(Formerly known as Higginsons' Specific Ointment)*

Applied in time, "SPECIFENE" will positively prevent all possible ill-effects from Mosquito Bites and Stings.

During the coming four months, an insistent advertising campaign will make these unique qualities of "Specifene" known through the length and breadth of the land. There is certain to be a lively demand.

"SPECIFENE" is sold at

1/3 and 3/- per box.

May we send you samples and particulars of the advertising aids which are available?

Sole Proprietors:

HIGGOLENE LIMITED,
Upper Bond Street, Hinckley.

Also manufacturers of "HIGGOLENE."

W.B.

Licoricine
ACTS LIKE
MAGIC

for Coughs, Colds, &c.

is the best line of its kind for bringing

REPEATS

and it will repay you abundantly to give it

YOUR RECOMMENDATION

10½d. size, 8/6 per doz. net. 1/3 size, 12/- net.

3/- size, 27/- net.

£2 worth Carriage Paid.

£6 worth and upwards, subject to a 5% discount for cash in 30 days.

Minimum Retail Prices, 10½d., 1/3, and 3/-.

N.B. — This allows the Chemist a profit of nearly 33%, or 4d. in the 1/- on £6 lots.

MANDALL & CO., LTD.

17/23 Stepney Road,
NEWCASTLE-ON-TYNE.

The ANGLO-FRENCH DRUG CO., Ltd.

238a GRAY'S INN ROAD, LONDON, W.C.1.

Telephone: MUSEUM 4029.

Telegrams: "AMPSALVAS, LONDON."

MONTREAL: 294 St. Catherine St. East

NEW YORK: 1270 Broadway.

BOMBAY: Yusuf Bldg., Church Gate St.

CAPE TOWN: 71 Longmarket St.

BRUSSELS: 19 Rue Louis Hap.

PARIS: 5 Rue Clauzel.

British Agents for the following French Preparations.

Pharmacists are warned against the purchase of these French preparations unless bearing our name and address. Preparations bearing similar names and intended solely for the French market are being offered for sale in this country. In many cases they contain drugs included under the D.D. Acts and are not identical in formula with those introduced by us to the medical profession in this country.

To protect themselves and their customers retailers should insist on these preparations with the A.F.D. Co.'s label.

ADREPATINE.

A pluriglandular compound for Hemorrhoids.

Ointment and Suppositories.

CARDIBAINE.

Pure crystallised strophanthine.
Drops and Ampoules.

DIGIBAINE.

An association of digitaline and strophanthine.

Drops and Ampoules.

GALYL.

An arsenical extensively used in the treatment of Syphilis.

IODASEPTINE.

Iodobenzomethyl monoformine. An intravenous antiseptic in chronic conditions.
Ampoules and Tablets.

NEOCAINE.

A local anæsthetic.
*Sterile Capsules and Ampoules.

PALUDASE.

A combination of quinine, iron, cacodylates, etc., for Malaria.
Ampoules of 5 c.c.

RHEANTINE (Lumiere).

Anti-gonococcic entero-vaccine for oral administration.
In Capsules.

TREPOL.

Tartro-bismuthate of potassium. Intramuscular treatment of Syphilis.
Ampoules.

AMBRINE.

Dr. Barthe de Sandfort's preparation for Burns.

Slabs and Candles.

CREOSAL.

Calcium mono-guaiaco-phosphate.
Syrup, Tablets, and Ampoules.

ELIXIR BROMO VALERIANATE (Gabail).

An inodorous and tasteless elixir of valerian and strontium bromide.

HEMO-CYTO-SERUM.

An association of cacodylate, iron and strychnine.

Ampoules of 5 c.c.

KINECTINE.

A combination of quinine and hectine for Influenza, Hay Fever, etc.
Tablets in Tubes of 10.

NEOCAINE SURRENINE.

Neocaine, with adrenalin.
Capsules, Ampoules, etc.

PANCREPATINE.

A special extract of the pancreas with liver extract for Diabetes.

SEPTICEMINE.

Iodobenzomethyl-di-urotropine. An intravenous antiseptic in acute infectious diseases.

In Ampoules of 4 c.c.

URASEPTINE (Rogier).

A urinary antiseptic in granular form.

BOROSODINE (Lumiere).

Solution of sodium borotartrate for Epilepsy.

CRYOGENINE.

Metabenzamido-semi-carbazide. A powerful antipyretic and analgesic.
Powder, Tablets of 25 and 50 ctg.

FOSFOXYL (Carron).

A chemical compound of phosphorus and turpentine. A nervine tonic.
Liquid, Syrup and Pills.

HISTOGENOL (Naline).

A nuclein and arsenical preparation.
Elixir, Granular, Tablets and Drops.

MORUBILINE.

A non-fatty extract of cod-liver oil with various additions.

NEO-TREPOL.

Bismuth metal. The original antisyphilitic introduced by Prof. Levaditi.
Ampoules.

PERSODINE (Lumiere).

Pure alkaline persulphates for hyperacidity, etc.

In Tablets.

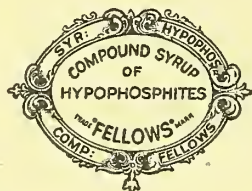
STANNOXYL.

Pure Tin and Tin Oxide.
Specific in Boils, Acne, etc.
Tablets, Liquid, Ampoules, Gauze, Bath, etc.

VALERIANATE (Gabail).

Odourless and tasteless valerian.
In Liquid form.

*Pharmaceutical Specialities with a guaranteed
Hall-Mark*



Manufactured by the

FELLOWS MEDICAL MANUFACTURING CO., Inc.
26 Christopher Street, New York City

WE SUPPLY THE
MANIFOLD REQUIREMENTS OF THE RETAIL TRADE

OUR COMPREHENSIVE STOCK INCLUDES:—

Drugs & Galenicals	Packed Goods
Sundries, of all descriptions.	Surgical Dressings
Patents & Proprietaries	Veterinary Medicines
Stationery	

Valuations and Transfers undertaken. Our Register of Locums and Assistants, and Businesses for Sale at your service.

MAY WE SEND YOU A PRICE LIST?

(in which Scheduled Poisons and Dangerous Drugs are clearly indicated).

EVANS, GADD & CO., LTD.
REDCLIFF STREET, BRISTOL———and FORE STREET, EXETER.

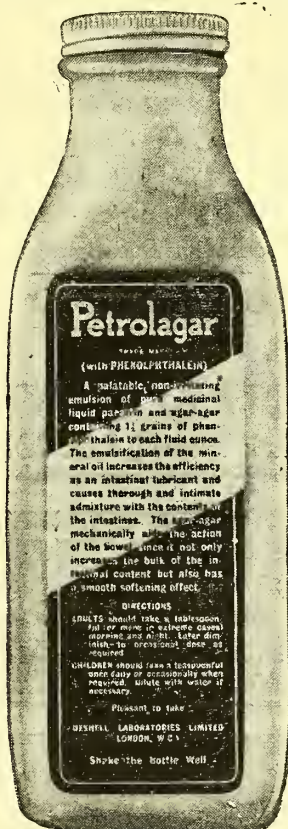
Petrolagar

(trade mark)

DESHELL

A Superior Product of BRITISH MANUFACTURE.

The palatable emulsion of pure medicinal oil and agar-agar for the treatment of constipation.



16 oz. size

5/6

P.A.T.A.

8 oz. size

3/-

P.A.T.A.

Issued in Pound and Half-pound Sizes as follows:

No. 1 - PLAIN

No. 2 - PHENOLPHTHALEIN

No. 3 - ALKALINE

No. 4 - UNSWEETENED

The Principle of Lubrication and Bulk calls for the usage of Petrolagar Plain in all cases unless special considerations indicate one of the other forms.

MADE IN ENGLAND BY

DESHELL LABORATORIES
LIMITED

1-3 BRIXTON ROAD

LONDON, S.W.9

CLARKE'S BLOOD MIXTURE & OTHER PREPARATIONS

Wholesale Prices.

	SIZES.	PRICE PER DOZEN.
Clarke's Blood Mixture	3/- & 12/-	£1:7:0 & £5:8:0
„ Miraculous Salve	1/3, 3/- & 5/-	11/-, £1:7:0 & £2:4:6
„ Special Aperient Pills	1/3, 3/- & 5/-	11/-, £1:7:0 & £2:4:6
„ Patent Skin Lotion	1/3	11/-
„ Medicated Soap	1/-	9/-

Orders: Minimum quantity £16 : 4 : 0 value.
FREE CASES. Carriage paid upon orders of £100.

All Wholesale Houses keep a large stock of our Preparations and can supply smaller orders promptly.

Minimum Retail Selling Prices: 1/-, 1/3, 3/-, 5/- & 12/- Face Value, giving a **PROFIT** of 33 $\frac{1}{3}$ % on cost to Distributors.

An attractive Showcard and Dummies supplied on application.

Trade Mark: "BLOOD MIXTURE." Regd. No. 3275.

Sole Proprietors:

THE LINCOLN & MIDLAND COUNTIES DRUG CO., LTD.
Park Street, LINCOLN.

NEPENTHE.

THE SAFEST AND BEST PREPARATION OF OPIUM.

The word "Nepenthe" is registered under the Trade Marks Act, and is our exclusive property. No substitute may be dispensed when "Nepenthe" is ordered in a prescription. "Nepenthe" comes within the regulations of the Dangerous Drugs Act, 1920.

FERRIS & COMPANY, LIMITED, BRISTOL.

ESTABLISHED 1772

HENRY'S CALCINED MAGNESIA

Continues to be prepared with scrupulous care, in the greatest chemical purity by

Messrs THOMAS & WILLIAM HENRY, 11, East Street, St. Peter's, Manchester.

And is sold in Bottles, authenticated by a stamp bearing their name.

Trade Mark, "Henry's Calcined Magnesia"

New York: Messrs SCHIEFFELIN & CO, William Street.

PRICE 2s 9d

Paris: Messrs ROBERTS & CO, S. Rue de la Paix.

HAY FEVER CAN BE VERY SUCCESSFULLY COMBATED WITH POLLANTIN

(A Serum discovered by Prof. Dunbar in 1903)

For literature and prices apply to the distributing Agents:

WILLOWS, FRANCIS, BUTLER & THOMPSON, LTD.
89a SHACKLEWELL LANE, LONDON, E.8

POISONS and PHARMACY ACT.

Privy Council Order, Jan. 1, 1921.

DANGEROUS DRUGS ACT, 1920.

Regulations of May 20, 1921. (Operative Sept. 1, 1921.)

**Dr. J. Collis Browne's
CHLORODYNE**

is not affected by above Order or Regulations.

It does not require purchaser's signature.**Proprietors: J. T. DAVENPORT, Ltd., 83/87 Union Street, S.E.1.****DR. BOW'S
LINIMENT.**
Prepared by his Great-Great-Grandson

(J. D. R. BOW, Managing Director.)

RETAIL 3/-

The Gothic window and the name "DR. BOW'S LINIMENT" are Registered Trade Marks and appear on every bottle. Anyone using the name or any similar name is liable to be proceeded against.

*The above label in Blue appears on outside wrapping.***DR. BOW'S LINIMENT, Ltd.**

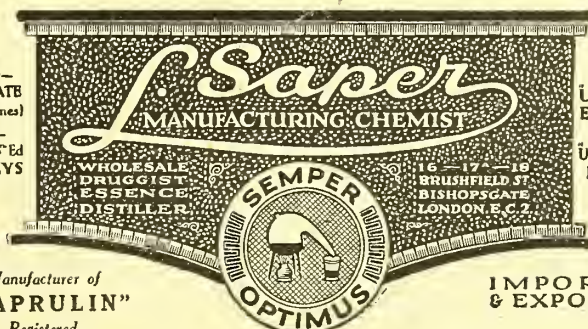
Works—7 South Gray St., Edinburgh.

Registered Office—3, 4 & 5 Queen St., Cheapside, London, E.C.4

Iglodine.**Can you say "Yes" when IGLODINE is requested?**

IGLODINE is being advertised. The unfailing effectiveness of its action is going to make trial purchasers into IGLODINE enthusiasts.

Every Chemist should be prepared to supply IGLODINE—a dependable antiseptic, quick-selling and profitable.

*Write for fullest particulars and terms—***The IGLODINE Co., Ltd., Pilgrim St., Newcastle-on-Tyne,****Ask us to quote you before
buying:****ESSENTIAL OILS,
ESSENCES,
FINE AND HEAVY
CHEMICALS****In Bulk and Packed Lines.
Samples sent on application.**Phone:—
BISHOPSGATE
1832 (2 Lines)
Codes:—
A.B.C. 576 Ed
& BENTLEYS**Manufacturer of
"SAPRULIN"**
Registered.**IMPORT
& EXPORT**Telegrams
UNADVISED
EDO. LONDON
Foreign:
UNADVISED
LONDON

THERE IS
AN ALL-THE-YEAR ROUND DEMAND
for

Owbridge's

LUNG TONIC

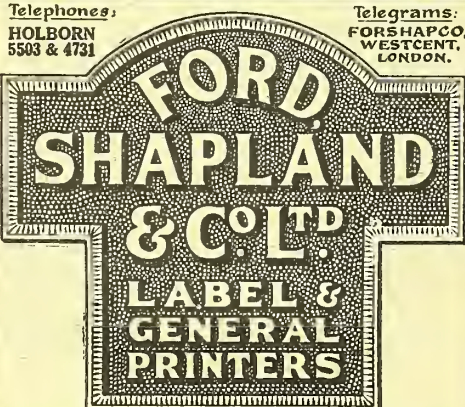
for COUGHS and COLDS

PRICE PROTECTED AT FACE VALUE

W. T. OWBRIDGE, Ltd., The Laboratory, HULL.

Telephones:
HOLBORN
5503 & 4731

Telegrams:
FORSHAPCO.
WESTCENT,
LONDON.



FINE ART SHOWCARDS, CARTONS,
ENVELOPES FOR SHAMPOO POWDERS,
CORN SILK, ETC.

*"Sol-Vo" Sanitary Paper
in Rolls & Packets.*

AGENTS FOR THE REGISTRATION
OF TRADE MARKS.



Sent on 14 days' trial
upon receipt of Cash or two
Wholesale references.

DUDLEY'S "EFFICIENCY"
CASH TILL.

Size 8 x 9 x 7½ in.

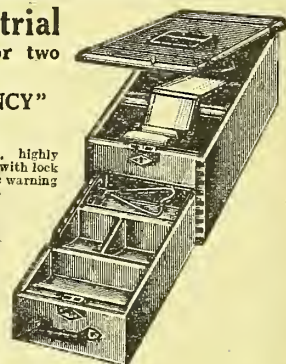
Solid Mahogany, dovetailed corners, highly
polished finished lid, and drawer fitted with lock
and key. Check action and automatic warning
bell to drawer. Three cash compart-
ments and one for notes.

Price **69/6** Each.

List No. C.D. 801 of other
Tills free on request.

DUDLEY & COMPANY, LTD.,

558-576 Holloway Road, London, N.7
City Showrooms: 65 Finsbury Street, E.C.2



"TAPON" (Regd.)

Tie up your Parcels with Advertising Tying
Tape. Pleases both Eye and Pocket and gives
Distinction to every Parcel sent out.

Various Colours and Widths. Printed or Plain.

Write for particulars, when Prices
and Patterns will be forwarded.

S. D. SIMOND & CO., LTD.

10 Monument Street - - E.C.3

Tel.: Avenue 6378. Telegrams: "Duncasim London."

Build Solidly on "Daisy" Business !

"Daisy" offers you a year-round profitable turnover, ready and sure. A never-ceasing, ever-increasing demand which is the result of the universal prevalence of headaches, coupled with "Daisy" advertising.

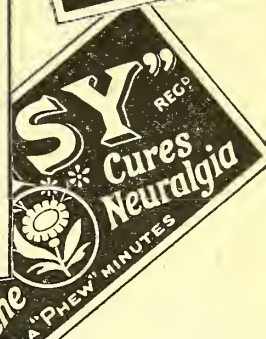
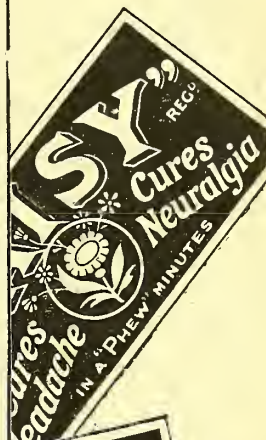
You cannot lose money on "Daisy" Headache Powders. You must draw new customers into your shop, asking for "Daisy" and buying other lines as well.

Via "Daisy" is a straight road to bigger business.

DAISY LTD., HORSFORTH, LEEDS



CURES HEADACHE
AND NEURALGIA

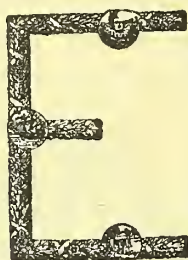


TERMS

1/- boxes (8 powders) P.A.T.A. 1/-	9/- dozen
Single Powders, P.A.T.A. 2d.	8/6 in 3 dozen lots
2/3 boxes (20 powders) P.A.T.A. 2/3.	
	21/- under 1 dozen boxes
	20/- for 1 dozen boxes
	19/- for 3 dozen boxes
6/- boxes (60 powders) P.A.T.A. 6/-	
	60/- under 1 dozen boxes
	57/- for 1 dozen boxes

NET. Carriage paid to destination.

Special bonus on direct purchases in return for displays.



EXTRA PHARMACOPOEIA

18th EDITION (1924-25).

By MARTINDALE & WESTCOTT.

Vol. I, 1163 + XXXVIII pp., 27/6 net; post free, 28/-.

Vol. II, 728 + XLII pp., 20/- net; post free, 20/6.

The Complete Work in 2 Vols., 47/6 net post free.

The following are a few of the main features contained in the work which are of special interest to pharmacists, chemists and allied workers:—ALKALOIDAL NOTES, ASPIRIN COMPOUNDS, BISMUTH ORGANIC COMPOUNDS, EMETINE AND ITS COMPOUNDS, CHAULMOOORA COMPOUNDS, NON-IONISABLE MERCURIALS, VACCINES AND ANTI-TOXINS, ORGANOTHERAPY, INTRAVENOUS DOSE TABLE, DANGEROUS DRUGS ACTS, COAL TAR DERIVATIVES, KIDNEY PERMEABILITY TESTS ESSENTIAL OILS AS ANTISEPTICS, PHENOLPHTHALEIN AND FLUORESCENCE COMPOUNDS, HALOGENISED PHENOLPHTHALEIN CHEMICALS, HYDROOEN-JON CONCENTRATION, SYSTEMATIC GROUP TESTS, ANTISEPTIC POWERS OF CHEMICAL COMPOUNDS, URINE, BLOOD, etc., EXAMINATION, BLOOD SUGAR ESTIMATION, PRESERVATIVES AND COLOURING MATTERS IN FOOD, PROPRIETARY MEDICINES, etc.

"For the practising pharmacist and medical practitioner Part II is just as indispensable as Part I."—*Pharmaceutical Journal*.

LONDON: H. K. Lewis & Co. Ltd., 136 Gower St., W.C.1.

Also obtainable from W. MARTINDALE, 10 New Cavendish Street, W.1.



WESTMINSTER COLLEGE OF PHARMACY.

WILLS' UNIVERSAL POSTAL SYSTEM

FEES (BRITISH ISLES)

Part 1 or 2 - - £1 1 0

Parts 1 and 2 - - £1 11 6

For Qualifying, Preliminary and Apothecaries Hall Examination. Individual subjects may be taken.

Full particulars from The Principals.

190 CLAPHAM ROAD, S.W.9.

MANY SUCCESSES IN THE EXAMINATIONS

Your Opportunity to

QUALIFY IN OPTICS

PRACTICAL WORK. Students taking the course may receive personal tuition in the practical work AT ANY TIME DURING THE COURSE.

Expert Tuition for the SIGHT-TESTING DIPLOMAS of the Worshipful Company of Spectacle Makers (F.S.M.C.); the British Optical Association (F.B.O.A.); the National Association of Opticians (F.N.A.O.); or the College of Optics (F.C.O.).

Write for full particulars—

G. A. SCURR, M.P.S., F.S.M.C., F.B.O.A., F.N.A.O., B.Sc., F.I.O., F.C.O.

50 HIGH STREET, BARNET, LONDON, N.

S.A. Representative: E. E. G. WOOLLEY, F.S.M.C., M.P.S., c/o H. Neil & Co., 215 Bree St., Johannesburg.

N.Z. Representative: R. C. AITCHISON, Box 168 PALMERSTON, North.

Bailey's

Expert PHOTO SERVICE

Reliable
for
Speed
and
Quality



FILMS RECEIVED FIRST
POST DEVELOPED,
PRINTED AND DE-
SPATCHED SAME DAY.

64 High Street
Highgate Village
London, N.6

TELEPHONE: 0663 MOUNTVIEW.

THE
BATH AND WEST OF ENGLAND COLLEGE
OF
CHEMISTRY & PHARMACY

Principal: D. J. WILLIAMS, B.Sc. (Hons.) Lon., Ph.C., F.C.S., F.S.M.C.

DAY CLASSES.

ENTRIES booked now for OCTOBER 1926.

Correspondence Courses in Subjects of
Preliminary Scientific & Qualifying Examination

Apply: The Secretary, 5 and 6 Cleveland Place, E. BATH.

WE GIVE THE FINEST QUALITY
VELOX D. & P. SERVICE.

POSTCARD ENLARGEMENTS PER RETURN OF POST

2/- for 1 doz. 1/3 for 1/2 doz. 3d. for single.
OFF ONE NEGATIVE.

Special lines in cheap enlargements with show material.
Unique advertising scheme. Write for list & particulars.

A. J. SHAWYER & CO.

12 WOOD STREET - SWINDON, WILTS.

AIDS FOR THE DEAF

We offer Chemists a unique and very remunerative
proposition.

NO STOCK NECESSARY.

NO OBLIGATION WHATEVER

BY ASKING FOR PARTICULARS.

Write now on your letter heading—

THE ACOUSTIC SUPPLY CO., LTD.,

3-4, EDEN STREET, LONDON, N.W.1.

Manufacturers and Sole Wholesale Distributors of all types of
acoustic appliances.

PHOSFERINE

New Window Display Conditions

Monthly Account.Carriage Paid.

For a small Central Window Display of not less than 14 days and an order for £5 worth of Phosferine we allow a bonus of 10/6, on a £2 10 0 order 5/3.

This shows a net profit on the transaction to the Chemist of 35%, besides attracting the passer-by to the window and considerably augmenting sales generally.

Should a £5 or £2 10 0 parcel not be required, any smaller quantity will be forwarded carriage paid, and can, if desired, be regarded as part of the £5 or £2 10 0 order. On completion of the order and a notification that the display is in progress the bonus will be allowed.

The above conditions apply only to the United Kingdom.

EXAMPLE.

		COST		SELLS FOR
3½ dozen 1/3 size at 12/- net	....	£2 2 0		£2 12 6
2 " 3/- " at 30/- "	....	3 0 0		3 12 0
		5 2 0		
Less 10/6 for Window Show	....	10 6		
		£4 11 6		£6 4 6

Showing a Net Profit of £1 13 0 on an outlay of £4 11 6.

Window Display Material Free and Carriage Paid.

WHOLESALE PRICES OF PHOSFERINE.Carriage Paid.Monthly Account.

1/3 size	....	12/- per doz. net.
3/- "	....	30/- " "
5/- "	....	48/6 " "
12/- "	....	114/- " "

PROTECTED PRICES.

Phosferine and all of our Proprietary Medicines are supplied on the condition that they are not retailed in the United Kingdom under the following prices—viz., 1/3, 3/-, 5/-, and 12/-.

ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.4.

Telephone No.: CITY 8733. Telegraphic Address: "PHOSFERINE, CENT, LONDON."

IMPORTANT.—Every care is used in corking and packing Phosferine, but occasionally a leaky bottle will pass undetected. Any leaky or faulty bottle should be returned to Ashton & Parsons, Ltd., Ludgate Hill, London, E.C.4, when a fresh supply will be sent and postage refunded.

G. W. CARNRICK CO.

ENDOCRINE PRODUCTS

Our organotherapeutic products are made from fresh glands of healthy food animals in our own laboratory, under the supervision of competent chemists. All moisture has been removed from these gland products and they will keep indefinitely if contents are not exposed to moisture and bottle is kept tightly corked.

HORMOTONE
SECRETOGEN
VIRILIGEN
RYTHMIN

TRYPSOGEN
KINAZYME
MAMMAGEN
ERYTHROGEN

Special Formulæ :

- | | |
|--------------------------------|------------------------------------|
| No. 1. Glandular Comp (Male) | No. 7. Parathyroid Comp. |
| No. 2. Glandular Comp (Female) | No. 8. Thymus Comp. |
| No. 3. Pineal Comp (Male) | No. 9. Mammary Comp. |
| No. 4. Pineal Comp (Female) | No. 10. Suprarenal-Pituitary Comp. |
| No. 5. Orchic-Prostate Comp. | No. 11. Ovarian Comp. |
| No. 6. Corpus Luteum Comp. | No. 12. Renal-Pancreas Comp. |

ASK FOR COMPLETE LIST OF SINGLE GLAND PRODUCTS

Distributors for G. W. CARNRICK CO'S Products :

- | | |
|----------------|--|
| LONDON - - - | BROOKS & Warburton, Ltd.,
40-42 Lexington Street, London, W.1. |
| AUSTRALIA - - | AYERS & JAMES PTY., Ltd., Melbourne.
ELLIOTT BROS., Ltd., Sydney. |
| INDIA - - - | MULLER & PHIPPS (INDIA) Ltd. |
| NEW ZEALAND - | CONNELLY BROS., Auckland and Wellington. |
| SOUTH AFRICA - | LENNON, Ltd., Cape Town.
SIVE BROS & KARNOVSKY, Johannesburg. |

THE CHEMIST AND DRUGGIST

SUPPLEMENT

42 CANNON ST.
LONDON E.C.4

JUNE 19, 1926

This Supplement is inserted in every copy of The Chemist & Druggist.

THE SUPPLY OF SUPPLEMENTS.

The clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have been compelled to reorganise our system of distribution. Our readers will please note, therefore, that in future, instructions can be accepted for not more than six successive issues of the Supplement at a time, and that in every case the name and full postal address should be written on

Post Office Wrappers, Stamped One Penny, to ensure prompt delivery.

Loose stamps will not be accepted.

CLOSING FOR PRESS.

**ALL ADVERTISEMENTS INTENDED FOR
INSERTION IN THIS SUPPLEMENT**

**MUST REACH US
NOT LATER THAN**

FIRST POST THURSDAY MORNING.

CHEMISTS' TRANSFERS.

Messrs. Orridge & Co., 56 Ludgate Hill, E.C.

Telephone No. : CITY 2283.

May be consulted at their Offices on matters of Sale, Purchase and Valuation.

1.—LONDON, S.E. (Busy Market Thoroughfare).—Ready-money Business, N.H.I. Dispensing, and Kodak Agency; returns, present rate, £25 weekly; opening to do upwards of £100 weekly; modern double-fronted shop, well fitted, and attractive lighting; large house; long lease. For a quick sale no reasonable offer will be refused.

2.—LONDON, S.E.—Cash Drug Stores, with opening for N.H.I. and Photographic; returns exceed £750; the premises comprise shop and living accommodation, with garden; held on lease at moderate rental; price, £500 or near offer.

3.—SOUTHEAST LINE (Few Miles Out).—Established Cash Retail Business, with Photographic Sundries; returns, £1,100 at good prices; corner shop, with residence and garden; large population; no immediate opposition; price £650.

4.—LONDON, S.E. (Few Miles Out).—Middle-class Retail Business, with Post Office; returns between £1,300 and £1,400 yearly; rent, £46, which includes residence; price, £1,150.

5.—ESSEX.—Opportunity to either rent or purchase Freehold Premises now being built for a Chemist, and ready for completion by end of June; premises comprise shop, 5 rooms and bathroom; corner position in new neighbourhood.

6.—CITY PHARMACY, situate in very busy thoroughfare; Retail, Dispensing and Photographic; returns, £3,250 at usual prices; well fitted shop, fully stocked; rent £160 inclusive; long lease; offers invited.

7.—ESSEX.—Death Vacancy.—Old-established Business, situate in densely populated neighbourhood; returns, £1,000; under energetic management an opening presents to largely augment the turnover; price, £700.

8.—YORKS.—Attractive Pharmacy; no opposition; returns last year £2,450; stock valued by Vendor at £1,450; rent, £96; rates, £33; house attached; price, £2,050.

9.—OXFORDSHIRE.—Ready-money Business; no side lines; returns, £30 weekly; net profit, £600; rent moderate; held on lease; price, £800, or near offer.

10.—SOUTH COAST.—Good Middle-class Retail and Dispensing Business, recently established; returns, £15 per week, scope for considerable increase now that season is commencing; well fitted and stocked shop; newly-decorated house; electric light throughout; garden; rent, £45; long lease; further details on application.

11.—SOUTH COAST.—Ready-money Business, situate in main road of progressive town; returns, about £25 weekly; good opening for a qualified Chemist; corner shop; well fitted and stocked; new lease; price, £1,000; Vendor going abroad.

12.—DERBYSHIRE.—Attractive Town.—Established Business.—General Retail and Dispensing; returns, £1,500; gross profit, 35 per cent.; well fitted double-fronted shop; rent, £65, which includes residence; good lease; further details on application.

13.—SHROPSHIRE.—Very Old-established Country Retail Business, with Kodak Agency, situate in picturesque district on borders of Herefordshire; returns average £30 weekly at top prices; good house and garden; premises may be purchased or lease would be granted at £40 per annum; one room sub-let at £17 yearly; no opposition; price about £1,150 or near offer; part payment entertained.

14.—LINCOLNSHIRE.—Very Old-established Business, situate in centre of small market town; returns, £3,500; net profit over £600; the books are kept by accountants and certified; terms, valuation of stock and fixtures, and sum for goodwill to be agreed. Vendor is retiring after having held the business for over 40 years.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

Valuations for Stocktaking

Messrs. O. & Co. are prepared to undertake these essential duties and make Special Terms for such service.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.4

The Association of Mnfg. Chemists

— LIMITED —

Business Agency Transfer and Valuation Department,

Head Offices—Kimberley House, Holborn Viaduct, London, E.C.1 (and at 2 Bixteth Street, Liverpool)

PARKIN S. BOOTH, Accountant and Valuer. Phone: City 1261-2-3

BUSINESSES FOR DISPOSAL

- 1.—LONDON, S.W.—Unique opportunity to acquire Cash Retail Dispensing Business, established over a century; centrally situated in busy shopping thoroughfare; lock-up shop, with store room above; lease 15 years at £100 p.a.; returns approximately £50 a week under management; good scope for increase under personal supervision; well fitted and good stock carried; price for quick sale, £2,000 or near offer. (38)
- 2.—LANCS.—Cash Retail Dispensing Business, with small Optical connection, with good scope; rent, £40; present lease with 2 years, likely to be extended at slightly advanced rent; well fitted pharmacy, with good stock; returns £30 p.w.; convenient dwelling accommodation; price for fixtures and goodwill, £350; stock at valuation. (54)
- 3.—ILFORD.—Old-established Pharmacist's Business in densely-populated area; returns average £20 per week; good living accommodation and excellent scope for energetic proprietor; 3 years' lease, with option of purchasing leasehold property, with 68 years to run; rental 25s. per week exclusive; price for quick sale, £700. (50)
- 4.—LANCS.—Well-fitted, double-fronted shop in busy town; all cash; returns £800; N.H.I. average 400 per month; stock £250; Kodak Agency; Optical side average about £80; could be sold with or without this branch; purchaser would be taught; price £400 all at, or nearest offer. Further particulars will be supplied on application. (59)
- 5.—POPULAR EAST COAST SEASIDE RESORT.—Excellent empty shop premises shortly available; eminently suitable for high-class Chemist's Business, situated in centre of best trading area within few doors of multiple shops; attractive modern double-fronted shop, frontage 18 ft., depth about 34 ft.; rent, £200 p.a. under lease 5 to 21 years at option of tenant; full particulars on application. (45)
- 6.—WEST RIDING.—Old-fashioned, established middle-class Business; returns £2,500 per annum, under manager; stock £1,450; rent £96 per annum; no opposition; fixtures and goodwill £550; attractive windows; mahogany fixtures; price £2,000. Full particulars on application. (61)
- 7.—YORKS.—Well-fitted double-fronted Shop and good living accommodation; three years' lease at £60 per annum; good scope for increase by qualified proprietor; goodwill, stock, fixtures and fittings, £320. (48)
- 8.—LIVERPOOL.—Old-established high-class Dispensing and Family Business, with valuable Proprietary in connection therewith; returns over £2,000 at approximately 62% gross profit; premises are held on lease, of which 12 years is to run at a rental of £180 p.a., rising to £200, with possibility of renewal for further period. Full particulars will be sent on application. (51)
- 9.—YORKS.—£900 will purchase large double-fronted Shop with Warehouse attached; on long lease, with nine years to run; returns £25 per week, nearly all cash; stock about £500; rent £50 first two years, then £60; season just commencing. Further particulars on application. (60)
- 10.—SURREY.—£750 will be accepted for Drug Store; established 20 years; double-fronted shop, with room at rear, well fitted and stocked; lease will be granted at rental of £78 p.a.; returns, £1,000 p.a.; all ready money; good scope for qualified man. (27)
- 11.—LONDON, W.—Small Retail Business, newly established; lock-up shop; stock approximately £275; fixtures and fittings, £80; returns average £1,000 a year, with scope for considerable increase; for immediate sale £400 will be accepted. (53)
- 12.—SUNDERLAND.—Two Chemist and Druggists' Businesses, with Wine License; lock-up shops, at rental of £45 and £42 p.a. respectively; turnover, £60 per week. Full particulars on application. (55)
- 13.—BLACKPOOL.—Newly-opened Light Retail Chemist's Business; corner shop; Kodak Agency; main thoroughfare; near station; rent £60 p.a.; 10 years' lease; living accommodation to be arranged; good opportunity for young qualified man; £500 or nearest offer; stock optional. Further particulars on application. (56)
- 14.—SOUTH DEVON.—Very old-established Business in residential district of busy town; returns, £34 per week; rent, £90 per annum; lease to be arranged; double-fronted shop, well fitted, and house with 7 rooms, side entrance, store, etc.; price £1,450, or near offer. (15)
- 15.—BRADFORD.—Retail Cash Dispensing Business, in main shopping centre, rebuilt in modern style 1923, frontage of 6 windows and 2 large mirrors, mahogany fitted; average returns, £50 per week; rent, £360 per annum; premises on lease, of which 5 years is to run; Kodak Agency; stock, £750. (58)
- 16.—YORKS.—Cash Business in main road in important industrial town; 5 years' lease will be granted; £90 to £120 per annum; returns, £50 per week; Kodak Agency; dwelling accommodation; price, goodwill £450, stock and fixtures at valuation. (17)

Stocktaking and Valuation of Businesses undertaken at moderate inclusive fee. Chemists are invited to consult us in respect of their requirements in connection with sale or purchase of businesses. Chemists in the North are requested to communicate with our Liverpool Offices.

BERDOE & FISH

WILLIAM S. FISH.

VALUERS AND TRANSFER AGENTS,

41 Argyle Square, KING'S CROSS, W.C.1

(one minute from St. Pancras and King's Cross Stations.)

- 1.—ESSEX COAST.—Sound, profitable Cash Business, in rapidly improving position; returns, £2,500; gross profits, 40 per cent.; no N.H.I.; scope for this and Photo; house attached; valuable lease; price, £1,500; recommended.
- 2.—WEST MIDDLESEX.—Progressive middle-class Cash Suburban Business with Kodak Agency; returns over £2,200; books properly kept; net profit exceeds £550; good position; growing district; price £1,750.
- 3.—BIRMINGHAM.—Sound Cash Retail, in busy main road; returns nearly £2,000, under manager, increasing; gross profits 40%; fine corner pharmacy; beautifully fitted and good stock; price £1,200.
- 4.—BEDFORDSHIRE.—Unopposed light Country Retail, pleasantly situated and growing district; returns average £760; low rent, on lease; good stock; price, £350 or offer.
- 5.—NORTH STAFFS.—Old-established light Cash Retail; returns, £1,750; net profit, £462; low rent, on lease; house attached; well-fitted pharmacy, fully stocked; price £1,200, or close offer.
- 6.—DORSET COAST.—Cash Drug Stores, in prominent position, main street; returns £25 a week; plenty of scope in qualified hands; bold corner shop; well fitted and stocked; price £1,000.
- 7.—WEST OF ENGLAND.—Unopposed Business, beautifully situated, main road position; commodious well-fitted premises; good living accommodation; returns over £1,000; rent £45 inclusive; easily worked; price for quick sale, £500 cash (little more than value of stock and fixtures).
- 8.—LONDON, S.W.—Profitable Cash Retail, under manager; returns over £1,500; gross profits 40%; fine opening for N.H.I.; low rent; good position; price £1,000, or near offer.
- 9.—LONDON, N.—Cash Drug Stores, in main road position; returns about £850; plenty of scope; lock-up shop; well stocked; price £475, or offer.
- 10.—LONDON, N.W.—£300, or near offer, secures a sound Light Retail and Prescribing Business, returning over £17 weekly; in centre of large population; stands to do £30 a week; house can be secured; worth attention.

ESTABLISHED 1870.

Telephone: 0651 Museum.

ERNEST J. GEORGE

Chemists' Valuer and Transfer Agent.

WRITE FOR CONFIDENTIAL PARTICULARS OF BUSINESSES FOR DISPOSAL—ALSO GIVE INFORMATION IF YOU DESIRE TO SELL.

3 ST. PAUL'S CLOSE, WALSALL.

Telephones: 774 and 1000.

London Representative:—

Mr. S. F. CLARK, 34 Marksbury Avenue, Richmond, Surrey.

BRETT & CO.

All valuations have the personal attention of F. J. Brett, M.P.S.

TRANSFER AGENTS AND VALUERS,

73 LAUREL ROAD, LEICESTER. Telephone: 1934

FOR DISPOSAL

- £2,000 RETURNS.—Light middle-class Retail in large Midland city; Kodak; N.H.I., 250 monthly; 8-roomed house; rent low; lease; price £1,300.
- £1,300 RETURNS.—Yorkshire seaside resort. Good-class light Retail, with plenty of scope for increase; large double-fronted shop; price £900, about, value of stock and fixtures.
- £1,500 RETURNS (about), Yorks. Has done much more; neglected; price £700.
- £800 RETURNS.—General light Retail in good middle-class district; good house; low rent; London, N.W.; price £425.
- £700 RETURNS.—Branch, Durham Co.; good-class Retail; can be greatly increased by personal attention; price about £650; handsomely fitted shop.

Number of Buyers with cash ready in most districts.
BUSINESSES WANTED.

CHARLES C. MARSDEN

Valuer, Transfer Agent and Stocktaker,

44 SHOLEBROKE VIEW, LEEDS.

WEST RIDING. Drug Storcs. Established 35 years by vendor. Small turnover but profitable. Chiefly own specialities. Opening for Chemist. Shop with house, 5 rooms. Rent £38. Vendor, owner. Price £275.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

THE ADVERTISER may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BIRMINGHAM.—Smart little Chemist's Business, situated main road, busy working-class locality, suitable for lady Pharmacist or Drug Store; stock clean and saleable; living accommodation; newly re-decorated throughout; three bedrooms, living room, scullery, small garden, etc.; present takings about £15 per week; scope for increase with personal attention; lease granted; rent £1 per week; a bargain at £300, or near offer. 124/32, Office of this Paper.

BIRMINGHAM DISTRICT.—Well-fitted Pharmacy, taking £1,000; rent and rates £50; profits net £350; good house, electric light, garden; lease 7 years; nearest opposition one mile; price £750, or nearest offer. Apply Love & Round, Chartered Accountants, Priory Street, Dudley.

BRISTOL.—Good Retail Business for Sale; heavy N.H.I.; corner position; modern frontage; small house attached; low rent and rates; long lease; plenty of scope for young qualified man or lady with energy and initiative; price for all fittings, fixtures, utensils, goodwill, and lease, £290, plus stock at valuation, or open to an offer. 127/380, Office of this Paper.

ESSEX.—Good-class Cash Retail; takings £1,500; scope for high increase; hold corner position; heavily stocked; all saleable goods; lock-up premises; rent £130; let off £60; price £800, or near offer; owner leaving the trade. 120/40, Office of this Paper.

HANTS.—Old-established genuine Business for Sale in good industrial town South of England owing to ill-health of proprietor; excellent lock-up double-fronted shop in good position; ample stores and private room; long lease with low rental; profitable and increasing turnover; excellent opening for Optics; dwelling-house available if desired; £450, including stock; no reasonable offer refused. Apply Scammell & Smith, 197 Portsmouth Road, Southampton.

KENT.—Old-established Chemist and Druggist Business, with excellent living accommodation, having splendid position in large town on main London to coast road, for Sale, together with leasehold of premises; Kodak Agency; immediate possession. Apply Executor, A. L. Jennings, Northfield, Cleekeheaton, Yorkshire.

LIVERPOOL.—Quite an old-established Pharmacy with freehold property for disposal; nice living accommodation; Kodak Agency; excellent stock; cash price for business and property £3,300. Genuine buyers can have full particulars by applying to 124/30, Office of this Paper.

LIVERPOOL.—A rare opportunity occurs to obtain a splendid Mixed Retail Business, with N.H.I.; well fitted with all accessories; premises let on lease at a weekly inclusive rental; purchaser of the fittings at valuation along with an agreed goodwill will secure this; stock optional; owner opened another Pharmacy sole reason for disposal; principals only; no agents. 126/26, Office of this Paper.

LONDON.—Old-established Light Suburban Retail Business with Kodak Agency, in centre of busy shopping thoroughfare; turnover, £3,500, and yielding £850 clear after paying all expenses; convenient premises, on long lease; large, well-fitted Pharmacy; good saleable stock; every investigation courted; price, £2,000 cash. Apply, "Bonafide," 85/837, Office of this Paper.

LONDON, N.—Old-established, well-fitted, sound Business for Sale owing to ill-health; excellent large shop; electric light; fully stocked; redecorated; long lease at pre-war rental; £950; first to see will buy; no agents. 126/10, Office of this Paper.

MIDDLESEX.—Chemist's Cash Business, with good living accommodation (2 bedrooms, stockroom, dining-room, kitchen, and scullery with bath), garden and back entrance; Kodak Agency; N.H.I. average 3,000 per annum; net profit about £250 p.a.; lease 8 years at £35; near railway station; price, £750. "Cerebos," 127/35, Office of this Paper.

NORTH-EASTERN COUNTY.—Chemist's Business, with living accommodation, in pleasant, healthy market town; nicely fitted and well stocked; open about 2 years; taking over £1,000 p.a.; increasing; scope for energetic man; price, £600. 127/13, Office of this Paper.

SEASIDE RESORT (Essex).—Genuine offer, Light Retail Business and Premises; returns, £1,800 yearly, all cash; handsome mahogany fittings; fully stocked; Kodak Agency; good prices obtained; in a rapidly-growing residential neighbourhood, therefore turnover cannot help increasing; modern house, freehold; good reasons for disposal; price of business, £1,350; property for sale at valuation. 128/12, Office of this Paper.

SOUTH COAST SEASIDE RESORT.—High-class Retail, Dispensing, Photographic, Toilet, comprising two shops, both in splendid positions, at pre-war rentals of £120 and £65; leases 13 years; combined turnover, £5,000, all cash; exceptionally well fitted, and heavily stocked for the season; price, £3,750, inclusive; sound investment. 126/36, Office of this Paper.

SOUTH DURHAM.—Industrial and market town; main thoroughfare, near bus stage; Pharmacy, Kodak, N.H.I.; established 4 years; turnover, £1,500 p.a., and N.H.I. profitable; scope for good toilet trade and D. and P.; good prospects; rent and rates (house included), 30s. week; every investigation; owner taking larger business in another town; offers; bank reference required. 128/140, Office of this Paper.

SOUTHEND, ESSEX.—Been neglected; now returning about £630 p.a., and increasing; great scope; busy main road; lock-up; near accommodation had; well fitted and stocked, and practically unopposed; cheap to quick buyer; proprietor having other interests is leaving the trade; write for interview; stamped envelope. "Interview," 127/17, Office of this Paper.

BUSINESS, pleasant suburban situation; quite unopposed; small living accommodation; long lease; at present under unqualified lady; great scope for increase; opening for Kodak, Optics, etc.; valuable Toilet Proprietaries; stock and fixtures at valuation, plus goodwill, about £1,000. 122/34, Office of this Paper.

CHEMIST-OPTICIAN'S for Sale (Kent); lock-up premises; main position; turnover £3,000; very profitable; vast prospects for genial, capable proprietor or partners; Partnership might be entertained. 123/34, Office of this Paper.

DRUG STORES, Essex, on new estate; established 18 months; now doing £12 per week; no dispensing; nearest chemist 1 mile; shop, 4 rooms, scullery, bath, garden, and large brick-built garage; a good opportunity for qualified man; price freehold, fixtures, stock, and goodwill, £1,250. P.C.B. 21/20, Office of this Paper.

GENERAL light middle-class Retail, London, N.W., returning about £800, for sale in consequence of serious illness of owner; good house can be had; rent low; to cash buyer £320 will be accepted. 85/838, Office of this Paper.

OPTICIAN and Photographic Dealer; well-established trade in Scottish provincial town; prominent position; main Street; no serious opposition; price moderate; annual sales £1,200; price £500, or nearest offer. Reply "Optician," Wm. Porteous & Co., Glasgow.

PHARMACY for Sale, London subnrb, Forest Gate district; main road; established 8 months; magnificent mahogany fittings; double-fronted; doing £23-£24 weekly; will easily double; qualified wanted badly; owner vendor will grant 21 years' lease with option; 21 years at £50 per annum exclusive; any investigation or trial; price £1,000 cash. 125/14, Office of this Paper.

POPULAR Seaside Resort, Yorkshire Coast.—Good Retail and Dispensing Business, with Kodak Agency; large attractive shop in good position, well fitted and stocked; held on lease; rent, £50; price, £900; season just commencing; particulars to bona-fide enquiries only. 127/7, Office of this Paper.

TWO good old-established Businesses offered for Sale on busy main roads in Manchester; corner positions; double-fronted; Kodak and Rexall Agencies; well fitted and stocked; excellent N.H.I.; profits above average; doing good trade; auditor's figures to prove; full particulars to genuine buyers; sound investments. 85/815, Office of this Paper.

WHAT a chance to purchase a splendid Business, price £1,400; taking auditor's figures, average over last six years, £1,800 per annum; lease 14 years; rent, £85, of which £75 will be let off to dentist; to anyone looking for good business in North-West London this is worth investigating. 126/14, Office of this Paper.

SALES BY AUCTION.

Removed for Convenience of Sale.

FORESTERS' HALL, CANTERBURY.

F. R. W. BERRY, A.A.I.,

has been favoured with instructions from A. Lander, Esq., of 17 High Street, Canterbury, TO SELL BY PUBLIC AUCTION at the above Hall, the Entire

CHEMIST'S STOCK

and the fine FIXTURES and FITTINGS (designed by the well-known Artist, Sidney Cooper, R.A.), including about 1,000 Stoppered Shop Rounds and Contents, about 3,600 various Bottles, quantity of Drugs, B. & W. Tablets, Face and other Creams, Powders, Toilet and Shaving Soaps, Gauze, Wool, Bandages, Vaseline, Rubber Hot-water Bottles, Air Cushions, Measuring Glasses, Combs, Tooth, Nail and other Brushes, Patent Foods and Medicines (by sample), 13 pairs of Military Hair Brushes, Perfumes, Hair Creams, Pills, Tooth Pastes, etc., etc.,

225 HAIR BRUSHES,

Cameras, Mounts, Developing Tanks, Lamps, Plates, Tripods, Photo Albums, Thermometers and Aneroid Barometers, A FINE CARVED AND PANELLED MAHOGANY COUNTER (30 ft. run with 60 Drawers, Cupboards, etc.), Carved Mahogany Chairs; Mahogany Fitting, 4 Shelves, 70 Drug Drawers, 8 Lockers, 5 Cupboards, 16 ft. run by 12½ ft. high; Curved Mahogany Fitting, 43 Ding Drawers, 4 Cupboards, 7 Shelves, 2 Mahogany Mirrored Doors, and a Mahogany Glazed Door, and Fitting over, 14 ft. run by 12½ ft. high; Curved Mahogany 2-tier Counter Stand, Glazed Curved Counter Show Cases, Mahogany Soap Tray, Mahogany Show and Sponge Cases, shaped Plate-glass Shelves, Mahogany Chest of 5 drawers, Window Fittings and Brackets, White Anthracite Esse Stove and Fitting, Typewriter, etc.,

On WEDNESDAY and THURSDAY, JUNE 23 and 24, 1926, at 10 a.m. precisely each day. May be viewed by Catalogue on Tuesday, June 22, 1926, from 2 p.m. until 5 p.m., and mornings of Sale from 9 a.m. Catalogues and further particulars may be obtained from A. Lander, Esq., 17 High Street, Canterbury, and at the Auctioneer's Offices, 27 Watling Street, Canterbury (Tel. 314).

BUSINESSES WANTED.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

BUSINESS wanted, London or within 50 miles, or South Coast; advertiser is a genuine purchaser, prepared to pay cash, and take immediate possession; replies will be treated in strict confidence; preference given to large business, £2,000 to £5,000; smaller concerns entertained if scope for increase. "Chemist," Sandyway, Hunstanton, North.

BUSINESS wanted, sound and reliable; good-class residential district preferred; £30 to £40 weekly; house attached. Full particulars 125/30, Office of this Paper.

PHARMACIST (experienced), at present managing, is desirous of obtaining a post with view to succession or early partnership in a good class business; he might consider buying suitable concern outright; capital, £1,200. 126/22, Office of this Paper.

WANTED, sound Business, with turnover about £2,000, in or near Birmingham preferred, but not essential; must bear closest investigation; all replies treated in confidence. Apply, giving full particulars, 124/24, Office of this Paper.

WANTED to purchase a Business in London or South of England; no Optics; turnover £2,000 or more per annum; replies confidential; cash ready. 127/29, Office of this Paper.

£300 DOWN, remainder by instalments. Chemist wishes to purchase a Business, with living accommodation, on these terms; Lancs. or Yorks. preferred, but not essential. Full particulars (in confidence) to "Chemist," 1 Scotland Road, Carnforth.

PREMISES FOR SALE.

SOUTHEND-ON-SEA.—Spacious Shop Premises; vacant possession; good opening for Chemist; residential district; moderate rental; long lease; no premium; dental surgeon above. 126/29, Office of this Paper.

WEST MIDDLESEX.—Commodious Shop Premises with excellent living accommodation in rapidly developing and populous neighbourhood; adjoins large store and recommended to Chemist (opposition negligible). Write P. Chase Gardener & Co., 269 High Street, Hounslow.

FINANCIAL.

VACANT Shop in densely populated part of London, suitable for Qualified Chemist prepared to invest £250/£350 in limited company (Wholesale Toilet Preparations); directorship salary, share profits; cheap premises. Write Secretary, P.C.B. 21/14, Office of this Paper.

APPRENTICESHIP.

APPRENTICESHIP.—Corfe & Son, Ltd., Chemists, Maidstone, have now vacancies for two Apprentices; a splendid opportunity for learning all branches of a thriving businesslike Pharmacy; four qualified chemists on staff. Apply to A. F. Corfe, Managing Director.

PARTNERSHIP.

PARTNERSHIP.—Partner required, about 35-40 years of age, to take active part in the welfare of old-established, prosperous Mineral Water Business in well-known South African town; capital required would be £3,000, in respect of which a sound business proposition would be offered. 85/830, Office of this Paper.

AGENCIES.

INDIA.—Representative of few selected and well-known firms is shortly returning to India, and is open for an additional Agency; all important centres visited every year; samples carried if desired; established connection. Write 121/24, Office of this Paper.

NON-COMBINE British Toilet Soaps at competitive prices. Agents required in overseas and British Dominions by Manufacturers of Toilet Soaps, etc., specialising in export trade; customers own name goods a speciality. Reply (in confidence) to 121/11, Office of this Paper.

TOOOTH BRUSHES AND PERFUME SPRAYS.—Representatives, not already carrying similar lines and who have an established connection with middle-class and industrial Chemists' businesses, required to sell on commission; areas reserved; prices keenly competitive and attractive range of patterns; state territory covered and journey periods. 122/39, Office of this Paper.

FOR SALE.

32 OZ. Quinine Sulph. B.P. at 1s. 8d. oz., 16 oz. Quinine Bi-Sulph. B.P. at 2s. oz., 3 lb. Pot. Iodide B.P. at 16s. per lb., post free. Ashley, 7 Amhurst Parade, N.16.

FOR Sale, Humagsolan, 3 dozen 3s. 9d., 1 dozen 6s. 9d., 7 only 12s. 6d. What offers? Balkwills, Chemists, Plymouth.

SITUATIONS OPEN.

RETAIL.

[HOME.]

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The ADVERTISER may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BARNES, S.W.—Experienced Assistant, energetic, unqualified, for good-class Dispensing, Retail and Photographic business. Apply personally or with fullest particulars as to experience, age, height, salary, to A. T. Gray, 5 High Street, Barnes, S.W.13.

BIRMINGHAM.—Wanted, qualified Assistant, age 22-26, for good-class suburban business; must have had good Counter and Dispensing experience, with knowledge of Photography. State salary required and previous experience, and when disengaged, to 122/37, Office of this Paper.

BRISTOL.—Required, a Branch Manager for a short period; one who knows the work. Apply, with copies of two recent testimonials and salary required (outdoors), 127/38, Office of this Paper.

DARLINGTON.—Capable qualified Senior Assistant required at early date. J. E. Hodgson, Pharmaceutical Chemist, Darlington.

GREAT YARMOUTH.—About June 26, Junior, three weeks during holidays; Counter; hours, 10 a.m.-7.30 p.m.; no Sunday work; good reference. Outdoor terms to T. L. Drabble, Southtown.

HASTINGS.—Assistant required; qualified or unqualified; state age, experience and salary required, with copies of two recent references in first letter; permanency to right man. 126/31, Office of this Paper.

LEEDS.—Junior Assistant required at once; must be a good Dispenser. State when disengaged and salary expected. Apply to Murrays Pharmacies, Ltd., 221 Woodhouse Lane, Leeds.

LONDON.—Wanted, end of June, lady Assistant for Counter, with knowledge of Photography. Applicants please state age, experience, and salary required to 126/27, Office of this Paper.

LONDON, E.—Qualified lady or gentleman required. Write, stating full particulars, age and salary required, 125/32, Office of this Paper.

LONDON, E.—Lady Assistant required, Minor Qualification, chiefly for National Health Insurance Dispensing in an industrial district. Apply by letter, with usual particulars, to "Chemicus," 27 High Road, Balham, S.W.12.

LONDON, E.1.—Wanted, at once, a qualified Assistant for middle-class Retail business, with small N.H.I. Dispensing. State particulars, experience, and salary expected to 126/18, Office of this Paper.

LONDON, N.—A permanent qualified Assistant required as soon as possible (outdoors); good Dispenser and Counter-hand essential. Apply, stating experience, age, height, and salary, to F. J. Sandberg, 22 Regent's Parade, North Finchley, N.12.

LONDON, N.—Qualified Manager required for middle-class Retail, N.H.I., and Photographic business; good Counter-man and Window-dresser; permanency to right man. Apply, stating age, experience, salary, references, to Staff Manager, Ascott's Pharmacies, Ltd., 169 Hemingford Road, N.1. Phone: North 4665.

LONDON, N.—Wanted, shortly, qualified Manager; quick Counter trade, N.H.I. and Photographic. Full particulars, salary required, 126/35, Office of this Paper.

LONDON, N.W.—Unqualified Assistant for good-class Retail and Dispensing business; must be quick and accurate Dispenser; good references essential. Apply, with full particulars, references, salary, etc. (or call), to R. M. Graham, 10 Station Parade, Willesden Green, N.W.2.

LONDON, S.E.—Qualified Manager required for small branch; Retail and N.H.I. business; now neglected, but big scope for energy; good commission given on increased business. Apply, stating age, experience, salary, references, to 127/3, Office of this Paper.

LONDON, S.W.1.—Wanted, a Qualified Junior Assistant (male) accustomed to Dispensing. Apply, giving usual particulars and salary required, to Bradley & Bourdas (Belgrave Road), Ltd., 48 Belgrave Road, S.W.1.

LONDON, S.W.—Qualified Manager required for brisk Retail, N.H.I. and Photographic business; permanency to good all-round man. Apply, stating age, experience, salary required, to 127/500, Office of this Paper.

LONDON, W.—Part-time, reliable, qualified man for relief each Thursday 6 till 8 o'clock and alternate Sundays 10.30 to 12.30; near Hammersmith. Write experience and salary required. "Chemist," 182 Ealing Road, Wembley.

LONDON, W.C.—Required, qualified Assistant; energetic Salesman and Window-dresser, with good Photographic Counter experience. Apply, in first instance by letter, 126/17, Office of this Paper.

SOUTH KENSINGTON.—Wanted, on July 5, Assistant, aged 29-33; active, gentlemanly, and with a good knowledge of high-class Dispensing, not a mere mixer; usual hours and 5 hours' Sunday duty taken fortnightly. Write details of recent experience, stating salary required, to Howard Schollar (Tennant's Pharmacy), 29 Sussex Place, S.W.7.

WORCESTERSHIRE.—Lady Assistant required, Hall qualifications for N.H.I. Dispensing and Counter work; live out. Apply Trevethick, Chemist, Bull Ring, Kidderminster.

ASSISTANT, about 25, single, wanted for good-class Family and Agricultural business; with Agricultural experience preferred. Full particulars to Bell, Chemist, Brigg.

ASSISTANT, not over 30; must have had experience in Dispensing, Window-dressing and Photography; good Counter-man essential. Full particulars to 85/841, Office of this Paper.

AT once, qualified Manager or qualified Assistant, able to manage, for middle-class business; outdoors; permanency; State age, experience, and salary required to G. A. Pickering & Son, Chemists, Royston, near Barnsley.

CAPABLE qualified Assistants who are anxious to progress and obtain managerial appointments should communicate with 85/839, Office of this Paper.

IMPROVER or Junior Assistant by July 5; age 20-22 years; accurate Dispenser, quick and willing; all particulars. Apply 85/831, Office of this Paper.

IMPROVER or Junior wanted for high-class Dispensing business; a knowledge of Photographic work essential. State experience, salary (indoors), etc. Williams & Smith, 21 West Street, Horsham.

JUNIOR Assistant, about 20 years of age; must have had experience in Dispensing, Counter work, Window-dressing and Photography; preference given to one who has passed the Preliminary Exam. Full particulars to 85/840, Office of this Paper.

LADY Assistant wanted for permanency in London; Counter and N.H.I. Dispensing. Apply, with usual particulars, to "D. B. C.," 126/24, Office of this Paper.

LOCUM, Qualified, required, August 9 to September 4 inclusive. Apply, giving full particulars, terms and references, to the Secretary, The Hartlepool Co-operative Society, Ltd., Stockton Street, West Hartlepool.

LOCUM, qualified, required from July 23 to August 6 inclusive; also unqualified Locum for third and fourth weeks in August. Apply, with photo, references and terms, to H. B. Belsher, Bloxwich, Staffs.

LOCUM, unqualified, to take charge of small Drug Store for one week, commencing Monday, June 28; easily worked; state salary; lady not objected to. Lingard, 74 Gt. Brickhill Street, Wolverhampton.

JUNIOR Assistant wanted in high-class Pharmacy; knowledge of Photography needed. Apply, with full particulars, H. M. Thompson, 9 Grand Parade, St. Leonards-on-Sea.

PART-TIME Assistant (male) required for evenings, Saturday afternoons and occasional Sunday evenings. Please apply by letter, stating age, experience, time available and salary expected, to "C. B.," 20 New Street, Dorset Square, N.W.1.

QUALIFIED Manager, good Salesman and Window-dresser, accustomed to good-class Retail, Dispensing and Photographic business. Please give full particulars of age, experience and references, when disengaged and salary required, to Mr. H. E. Matthews, Ph.C., 30 The Mall, Clifton, Bristol.

QUALIFIED Locum to take charge of a good business in a seaside resort in North Wales; Welshman preferred but not essential; date required July 1. Apply, stating age and previous experience, to "XX," c/o R. Sumner & Co., Ltd., Wholesale Druggists, 40 Hanover Street, Liverpool.

QUALIFIED lady required for Dispensing and Counter; country town, 24 miles from London; state particulars of age, salary and experience. Richards and Bowring, Ltd., The Pharmacy, Wickford, Essex.

QUALIFIED Assistant wanted for up-to-date Pharmacy in model colliery village; must be well up in Photography; hours exceptionally easy, no Sunday duty. S. Varah, Central Pharmacy, Rossington, Doncaster.

QUALIFIED Manager, single, for light retail and Dispensing business; permanency if satisfactory; good opening for young man anxious to make progress. 118/29, Office of this Paper.

QUALIFIED Assistant, male, young, smart, for Counter and Dispensing; engagement till mid-October. Salary, references, photo (if possible). G. Nicholson, Chemist, Ryde, I.W.

QUALIFIED male Assistant required at once for London Retail and Dispensing business, E.C. Apply, with usual particulars, to P.C.B. 21/18, Office of this Paper.

QUALIFIED Manager required for an old-established business in S.E. London; knowledge of Photography an advantage; age 30-40. Full particulars to P.C.B. 21/19, Office of this Paper.

UNQUALIFIED Assistant; good Store experience, Window-dresser, and Salesman; age over 30; first-class references. Apply Chemist, 53 East Hill, Wandsworth.

UNQUALIFIED Assistant (single) required immediately; splendid opening for young man with ambition. Reply, giving full particulars, also stating age, salary required, and when at liberty, 118/290, Office of this Paper.

MANAGERSHIP.

WANTED, a qualified Chemist and Optician; age about 35; a live man will have a splendid opportunity; first-class business in main London thoroughfare; can live on the premises. P.C.B. 21/4, Office of this Paper.

WANTED for one week, any dates between June 28 and July 10 inclusive, a thoroughly competent Dispenser; not required to take charge of business; no Sunday duty; Thursday half-holiday. Apply to W. Parry-Jones & Co., Chemists, Barnet, Herts.

WANTED, lady Clerk; must be experienced and good quick writer. Apply personally before 12 o'clock, or full particulars by post, stating salary, etc., to Curtis & Co., Ltd., 79 Baker Street, W.1.

WANTED, urgently, unqualified Assistant or Improver, experienced in good-class Counter work and Dispensing. Appointment by "phone," "Chemist," Kensington 2224.

WANTED, qualified, experienced Manager, suit recently qualified or elderly gentleman, for newly-opened village Pharmacy; pleasant Gloucestershire village; considerable N.H.I.; no Sunday duty; sober habits essential. Apply, stating age, experience, salary asked, and recent testimonials, "Chemist," 5 High Street, Chepstow.

YOUNG qualified Assistant for branch; permanency; South-East Coast. Please state full particulars, salary, etc., to 123/40, Office of this Paper.

WHOLESALE.

COMPRESSED Tablet Hand wanted (Junior) for North London. Apply 85/834, Office of this Paper.

FIRM of Manufacturing Chemists, making chiefly packed Pharmaceutical Specialities and Toilet Preparations for direct sale to Chemists, have a vacancy for an energetic Salesman; applicants must be able to provide proof of selling ability and be good business getters; ground to be covered—North of England, Newcastle centre; give full particulars in first letter, stating age, experience and salary required; first-class men only need apply. 85/835, Office of this Paper.

REPRESENTATIVES required by well-known firm to carry a unique Toilet Cream on commission only; must be active, energetic and with live connection; liberal terms and good sales backing; replies should state territory covered and give references. E. T. Pearson & Co., Ltd., 35 Gordon Square, London, W.C.1.

REPRESENTATIVES wanted by Manufacturers of first-class special brand I.R. Hot Water Bottles, calling Retail Chemists, Ironmongers; commission basis; Northumberland, Durham, Birmingham, Midlands, South Wales and Thames Valley, all Yorkshire. 116/18, Office of this Paper.

REPRESENTATIVES (TWO)—Old-established house have vacancies for (a) experienced Provincial Salesman with sound connection, (b) Junior Traveller with sales ability. P.C.B. 21/3, Office of this Paper.

REPRESENTATIVES required on commission, all territories open except London and Midlands, for Packed Ointments; competitive in prices, quality and get-up with any line on the market; good commission. Apply, stating references, ground covered, lines carried, etc., to 85/832, Office of this Paper.

REPRESENTATIVES required, on commission basis, calling on Chemists and Perfumers, to handle a range of high-class Parisian Toilet lines at the right prices; also Perfumed Animals and Bird Novelties, to retail at 6d. and 1s., and sold on sight to every man; appointment is worth several hundreds yearly to good men with connections. Write, giving details of ground covered, to Batty Saunders & Co., Ringwood, Hants.

REPRESENTATIVES (two) required for London and Midland Counties, with connection amongst Chemists and Perfumers, for Continental house; high-class Perfumes and Toilet Preparations; commission basis. Particulars (in confidence) to 127/39, Office of this Paper.

TOILET SOAPS—Salesmen on liberal commission basis for London and provinces required by Manufacturers of Toilet Soaps, etc.; really competitive prices. Write (in confidence), stating ground covered, etc., to 121/110, Office of this Paper.

TRAVELLER with good connection amongst Chemists and Stores required for Counties of Durham, Northumberland, and part Yorkshire, by firm manufacturing high-class Food Products; please state firms already representing, what class of goods carried, and area covered; good commission will be paid, and the proposition offers opportunity of a large turnover. Full particulars, which will be treated in confidence, to 85/836, Office of this Paper.

[COLONIAL, INDIAN AND FOREIGN.]

CHINA—Qualified Assistant, about 25, in old-established English Chemists in Shanghai; high-class Dispensing and Store experience essential; salary 300 dollars (Mex) per month, with annual increases; free second class passage; 4 years' agreement. Full particulars as to experience, etc., by letter, to Dakin Brothers, Limited, 82 Middlesex Street, E.1.

INDIA—Qualified Assistant wanted; unmarried; Rupees 375 monthly, with quarters or allowance; annual increment; passage paid; four years' agreement. Apply "EH/S," 85/819, Office of this Paper.

KOBE, JAPAN—Qualified Assistant required for old-established British Pharmacy; age not exceeding 25; good-class experience essential; splendid prospects capable and energetic man; four years' agreement; salary first and second year £216, third and fourth year £252, board and residence provided, passage paid. Apply, with photo and testimonials, MH/Export, S. Maw, Son & Sons, Ltd., 7/12, Aldersgate Street, E.C.1.

SOUTH AFRICA—A High-class Retail requires the services of a thoroughly experienced Qualified Assistant, age about 25; passage paid out; three years' agreement; progressive salary, commencing at £30 per month; excellent prospects. Apply by letter only to "C. M. N.," 23 Arrol Road, Beckenham, Kent.

SITUATIONS WANTED.

RETAIL.

[HOME.]

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The ADVERTISER may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

A—UNQUALIFIED, 30, with very good recommendation, seeks position as Assistant, Manager or Representative; thorough knowledge of Salesmanship, Buying and Display; tall, good appearance and manners; used to cars; just disposed of own successful business. Apply 128/14, Office of this Paper.

A RELIABLE Assistant; unqualified; disengaged July 3; permanency desired; first-class varied experience; active; smart Counterman; salary £3 per week; middle-aged. "F.," 33 Leo Street, London, E.8.

A CAPABLE Assistant, 40; unqualified; smart Counterman, accurate Dispenser, Photography, Window-dressing. "Aitch," 53 Cantelupe Road, East Grinstead.

A CTIVE Pharmacist, 29; disengaged shortly; best class experience, Retail and Wholesale; own car. Replies to 126/12, Office of this Paper.

A S Manager; M.P.S.; thoroughly experienced; best of references for integrity and abilities. Thomas, Ripon Road, near Harrogate.

A SSISTANT, 21; good Dispenser and Counterman; Photography and Window-dressing. "H. L.," 63 Clinton Road, Bow.

A SSISTANT; part time, July, August, September; whole time July if required. 17 West Gardens, Robinson Road, Tooting.

A SSISTANT; competent Dispenser and Salesman; middle-aged; good references; unqualified. "Statin," c/o Miss Drewry, Kingsbridge House, Bracebridge, Lincoln.

A SSISTANT; 24; unqualified; 10 years' good experience; Dispensing, Counter and Photographic; good references. Groves, 6 Packington Street, Islington.

A SSISTANT, 30, tall, requires berth in good-class Pharmacy; West-End experience; good references. "Spero," 113 St. George's Road, Victoria.

A SSISTANT or Manager; qualified; best experience; London or 20-mile radius; speaking French; Locum work not objected to; disengaged June 26. 126/23, Office of this Paper.

A SSISTANT; unqualified; 10 years' experience, Dispensing, Counter, Photographic and Window-dressing; good references; South Wales or Monmouth preferred. 127/6, Office of this Paper.

DISENGAGED July 5; Pharmacist (male); experienced; Locum or permanency. "Pharmacist," 67 Western Road, Belling, W.

DISENGAGED; Unqualified Assistant; middle-aged; reliable Dispenser; temporary or permanent. Jones, 69 Annesley Avenue, Hendon, N.W.9.

DISENGAGED 22nd inst.; qualified, experienced Locum; rapid Dispenser. "M.P.S." c/o Mr. Attwell, Chemist, Boscombe.

DISPENSER (Hall).—Experienced, qualified lady seeks post, preferably in London. Miss Flint, 38 Woodland Gardens, Muswell Hill, N.10.

DISPENSER (male) requires situation with Doctor or firm; accustomed to the routine work of a surgery; disengaged; good references. Reply 125/40, Office of this Paper.

DISPENSER (male) desires permanency with Doctor or firm, or position as Laboratory Assistant in Wholesale; Locum or part-time accepted; 16 years' experience; excellent references. "W. F.," 11L, Sutton Trust, Chelsea, S.W.3.

DISPENSER-DRESSER, lady (Hall), 5 years' experience, capable, reliable, desires Locum or permanency. 117 Sandford Road, Moseley, Birmingham.

ENERGETIC and competent Assistant; over 14 years' experience in Dispensing, Counter, Prescribing, Photography. "Aspirin," 24 Kincraig, Street, Cardiff.

JUNIOR Assistant, good Dispensing and Counter experience, with knowledge of Photography, all branches, desires position in London; City preferred, but not essential. G. Ramdin, 41 Westcroft Square, W.6.

LADY Dispenser, qualified, desires post; Locum or permanent; Liverpool district preferred. 123/37, Office of this Paper.

LADY Dispenser (Hall) requires post, preferably with Doctor; one year's experience. A. Goodchild, Knights Hill, Cockfield, Suffolk.

LADY; young; 5 ft. 6 in.; unqualified; 4 years' good Counter and Dispensing experience; disengaged any time; Midlands preferred. "M.," c/o H. Midgley, Esq., Lime Avenue, Ripley, Derbyshire.

LADY Dispenser (Hall Certificate), 6 years' experience, Counter and Dispensing, desires post; London preferred. 126/32, Office of this Paper.

LADY, unqualified, young, ambitious, not afraid of work, desires change; at present successfully managing Drug Stores; Hall qualification. 127/12, Office of this Paper.

LADY, 24, unqualified, desires part-time post; London only; to start immediately. 127/22, Office of this Paper.

LIVERPOOL OR DISTRICT.—M.P.S. desires engagement; could entertain Partnership or Managership with view to succession. Replies to 125/28, Office of this Paper.

LOCUM.—Lady Dispenser (Hall), excellent testimonials, Doctor and Hospital, open to engagements, London and district; now free. "D. M.," 5 Albany Road, N.4.

LOCUM; qualified; Hull and district. 125/36, Office of this Paper.

LOCUM; free part July, August 22 onward. Jackson, 79 Albion Road, N.16.

LOCUM; qualified; 30; good experience and references ("R.P.V."); available immediately; two or three weeks only; sole charge; West or South of England. Edmonds, Chemist, Growthorne, Berks.

LOCUM; qualified; disengaged July 12-August 14. Miss E. M. Wood, c/o Latham, Chemist, Shirebrook, Notts.

LOCUM; experienced; abstainer; take entire charge; vacant July 19-31; Birmingham or Shrewsbury district. "Pharmacist," c/o Morris, Chemist, Wednesbury.

LOCUM (just sold own business); active; reliable; good references; at liberty now; 48. "H. D. F.," Rutland, Biggin Hill, Kent.

LOCUM; disengaged; thoroughly experienced and reliable; good references; unqualified; capable Manager. Taylor, 2 Sulina Road, Brixton Hill, S.W.

MANAGER, 31, Major, F.S.M.C., desires change, Manager, Partner or Assistant; London or suburb; speciality, Salesmanship, Sight Testing (sound practical experience), Photography and Window-dressing; energetic and progressive; competent; accustomed to responsibility; highest references. 127/8, Office of this Paper.

NURSE-DISPENSER (Hall Diploma) desires engagement with Doctor or in Institution; London only; Locum or permanent. Stubington, 83 East Dulwich Grove, S.E.22.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensues. Strict attention to this detail will be appreciated.

PART-TIME, qualified, desires evenings, Saturdays; Continental experience; within 8 miles of Hammersmith. Olding, 226 The Grove, Hammersmith.

P.H.C., 23, desires position with prospects of advancement; first-class Dispensing and Counter experience, home and Continental; French; Photography; practical knowledge of Analyses and Laboratory work; London preferred, but not essential; references. Payne, Thrapston, Northants.

QUALIFIED; Part-time; Tuesday, Wednesday and Thursday evenings from 7 onwards; Continental and West-End experience. Reply 120/39, Office of this Paper.

QUALIFIED, 28, single, desires a progressive position in or near London; previous London experience. 124/1, Office of this Paper.

QUALIFIED, young, Major man, requires situation which offers prospects; experienced; conscientious; excellent references; free last week July. 123/39, Office of this Paper.

QUALIFIED; elderly; reliable; terms moderate; state inclusive dates. Apply J. Allen, 17 Prince's Road, Wimbledon, S.W.19.

QUALIFIED lady, 23, desires situation; Locum or permanent; London preferred. 127/20, Office of this Paper.

UNQUALIFIED, 24, seeks part-time or temporary employment; 7½ years' sound experience. 5 Filton Avenue, Horfield, Bristol.

WANTED to place youth, age 17, as Apprentice; Nottingham or Derby district. Wilson, Redcliffe Lodge, Redcliffe Road, Nottingham.

YOUNG lady Dispenser (Hall) seeks Locum work with Doctor; free July and August. E. M. Green, Emberton, Manor Road, Paignton.

YOUNG lady requires position in Departmental Stores or Shop as Counter-hand; 6 years' City and West-End Stores experience. "G. B.," c/o "B. H.," 140 Brondesbury Villas, N.W.

YOUNG lady, knowledge of Photography, as Improver where she might gain experience in Dispensing; S. or W. London. 127/18, Office of this Paper.

27, LOCUM, qualified Manager, open for Locum work in Peak District, Derbyshire; good-class only. Greatorex, The Green, Matlock.

WHOLESALE.

GENTLEMAN, successful representative first-class London and provincial experience, open for engagement at home or abroad, with leading house; Therapeutic expert; salary and expenses. P.C.B., 20/8, Office of this Paper.

MAN, aged 19, had 4 years in Laboratory of Soap and Perfumery Manufacturer; good worker. L. Gatehouse, 5 Brettell Street, London, S.E.17.

REPRESENTATIVE, already covering South Wales and West of England, desires representation of another firm; on commission; young; own car. 122/35, Office of this Paper.

REPRESENTATIVE desires change to substantial house which offers scope to ambitious man. Full particulars (in confidence), 128/23, Office of this Paper.

VALUABLE Connection, Lancashire, Cheshire, North Wales, Isle of Man, offered to good House. "W. R.," 627 Whalley New Road, Blackburn.

[COLONIAL, INDIAN AND FOREIGN.]

ENGLISHMAN, 26, qualified (1921), bachelor, seeks opening abroad, anywhere, any capacity offering decent prospects of advancement in return for devoted, enthusiastic service; willing to study; 11½ years' experience, including 4 years tropical in Manufacturing and Wholesale; health perfect; well educated; presentable appearance; inquiries from principals abroad invited; no blind alley berth wanted. For further particulars write 126/1, Office of this Paper.

MANAGER, qualified, 15 years' experience, India and Burma, open to engagement; South Africa or Colonies preferred. Apply "R. O. S.," 26 Priory Road, Bedford Park, W.4.

ALL DRUG CLERKS AND FOREMEN

should join at once

THE NATIONAL UNION OF DRUG & CHEMICAL WORKERS
(Incorporating the National Association of Chemists' Assistants)BENEFITS: Trade Protection—Legal Aid—Unemployment
Benefit—Free Use of Employment BureauWrite for particulars:—ARTHUR J. GILLIAN, Gen. Sec.
149 Newington Causeway, LONDON, S.E.1

5/6	10/6	MACK'S LEDGERS	16/-	20/-
1	2	One Year Two Books in one. Spare Cash Books, 3/6, 6/-	4	Red Lines
year	year	MACK-IVOR, 45 HIGHTOWN, CREWE	year	

MISCELLANEOUS.

MAHOGANISED FITTINGS.—Complete set. 12 ft. Drug-fitting, 38 Drawers, glass labels, 10 ft. Wall Case, 10 ft. Serving Counter, glass case front, 6 ft. Dispensing Screen, Perfume Case and Desk, two 4 ft. nests Counter Drawers; also complete set Mahogany Fittings; low prices. GEORGE COOK, Shopfitter, 267 City Road, E.C.1.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.2.

SHOP FITTINGS (Second-hand).—We have a large range of Chemists' Fittings, both in oak and mahogany, which can be easily adapted to suit any Pharmacy. Write your requirements. H. MILLS & SONS, LTD., Shopfitters, 163-5 Old Street, London, E.C.1.

£130.—JUST TO HAND.—An excellent and complete set of Fittings suitable for new premises or branch, 12 ft. Drug Fitting of drawers, lockers, cupboards and shelving, 10 ft. Counter with glass showcases in front, 6 ft. Dispensing Screen with compounding counter and shelves, two nests of Counter Drawers, 5 ft. bent plate-glass Counter Case, and Perfume Case and Desk. Full details and sketches on application to PHILIP JOSEPHS & SONS, LTD., 93 Old Street, E.C.1.

£97.—MAHOGANY SHOPFITTINGS; complete set; 12 feet Drug Fittings, 6-foot handsome Dispensing Screen, Counter Case, Perfume Case and Desk, Counter Drawers, Wall Case, 10-foot Glass Serving Counter; in perfect condition and ready for immediate despatch. Percy R. E. Josephs, 232/8, Bishopsgate, London, E.C.2, first floor (only address). 'Phone: Avenue 1194. A great bargain.

LIMITED COMPANIES REGISTERED.

—I have now been engaged in this work over 20 years, so you may rely that my experience in Chemist and other Companies (I take all trades) is hard to beat. Most reasonable and inclusive fee. Advice free.—A. B. SLACK, 15 Christ Church Avenue, West Didsbury, Manchester.

EXCHANGE COLUMN.

2d. per word: Minimum 2s.

FOR DISPOSAL.

AIR BED, new, 88 in. x 36 in.; best quality; what offers? H. M. Thompson, 9 Grand Parade, St. Leonards-on-Sea.

WANTED.

1-DRAM and 2-DRAM PESSARY MOULDS; cheap. Johnson, Chemist, Blackpool.
SECOND-HAND PERSONAL WEIGHING MACHINE in good condition. Gee, Chemist, Sale.
BENT COUNTER CASE, 2 ft. 6 in. x 14 in., mahogany. Particulars to 127/26, Office of this Paper.
GOWER, Chemists' Bookseller, 41 Voltaire Road, Clapham, wants Pharmaceutical Books and Students' Requisites.
TABLET MACHINE, single punch; Stoke's preferred; tablets up to 8-in. diameter. J. B., 85/855, Office of this Paper.
SMALL DISPLAY CARBOY for window; state capacity, price, give rough diagram shape. Bathe's Drug Stores, 24 Fleet Street, Torquay.
DRUG FITTING, 10-11 ft., Shop Rounds, Counter and Dispensing Scales, Glass-fronted Counter, 8-9 ft. Davies, 19 Amber Street, York.
SHOP ROUNDS wanted, 6 x 20 oz. Syrups, 6 x 40 oz. N.M., and 18 x 20 oz. N.M. without labels. Write Holman, Ham & Co., Ltd., Market Street, Exeter.

The Chemist & Druggist
COMPACT LIBRARY

THE ART OF DISPENSING.

A treatise on the Methods and Processes involved in Compounding Medical Prescriptions, with Dictionaries of Incompatibles and New Remedies, and numerous Memoranda for Dispensers and Prescribers (Ninth Edition, 1921). By PETER MacEWAN, F.C.S., Pharmaceutical Chemist. (Tenth Edition, 8/- net, by post 8/6.)

VETERINARY COUNTER PRACTICE.

An indispensable book for chemists, whether urban or rural. It deals with the ailments of horses, cattle, sheep, pigs, dogs and poultry. The seventh edition (1920), like its predecessors, is by an experienced M.R.C.V.S. Contains 440 pages. Price 7s. 6d. net, by post 8s.

PHARMACEUTICAL BOTANY.

A new book written especially for students preparing for the qualifying examination of the various pharmaceutical societies of the British Empire. Over 200 illustrations. (First Edition, April, 1925.) Price 5s., by post 5s. 4d.

CHEMISTS' WINDOWS.

An illustrated treatise on the art of displaying pharmaceutical and allied goods in chemists' shop windows, with Chapters on ticket writing, the mechanics of moving devices and business-promoting accessories. Contains 216 pages and 200 illustrations. Price 3s. 6d., by post 3s. 9d.

DISEASES AND REMEDIES.

Chemists and druggists need to know something about diseases and their treatment, and this book fills the gap between books of domestic medicine and standard works for medical practitioners. It has been brought up to date and enlarged to 204 pages. (5th Edition, 1921.) Price 5s. net, by post 5s. 3d.

GUIDE TO PRELIMINARY EXAMINATIONS.

Deals with English, Latin, Arithmetic, Algebra, Euclid, and French, as required in the principal examinations recognised by chemical, medical, and pharmaceutical bodies. (4th Edition.) Price 3s. 6d. net, by post 3s. 9d.

MINOR EXPERIENCES.

Gives over fifty candidates' descriptions of the Minor Examination as conducted by the Boards of Examiners in London and Edinburgh, prefaced by the official syllabus and other useful information. Indispensable to all chemists' apprentices and assistants who have not qualified, as it is the only book giving the questions and work of the Examination. Contains 116 pages. Price 2s. 6d. net, by post 2s. 8d.

PRACTICAL METHODS OF URINE ANALYSIS.

This department of chemistry is one which those behind the drug counter can profitably cultivate. The object of this book is to give chemists exactly the information they want on the subject. The book is written by a working pharmacist who is expert in the subject, and has been revised by a M.B. Lond. Price 3s. 6d. net, by post 3s. 8d.

THE CHEMISTS' DICTIONARY OF MEDICAL TERMS AND TREATMENT.

This book measures 5½ inches by 3½ inches, and contains 283 printed pages. There is no medical dictionary so compact which gives so much up-to-date information. It goes straight to the point—which is what chemists most need when they have to answer medical questions asked by customers. Price 3s. 6d., by post 3s. 8d.

PROVINCIAL HOSPITAL PHARMACOPŒIAS.

Uniform with the "Chemists' Dictionary," contains 296 pages and consists of formulas for medical prescriptions used in twenty-two hospitals and infirmaries in Great Britain outside the London District. Price 3s. net, by post 3s. 2d.

WOOTTON'S CHRONICLES OF PHARMACY.

In two vols., maroon cloth, comprising 770 pages. Price 10s. 6d. net, by post 11s. 3d.

Published by "THE CHEMIST & DRUGGIST,"
42 CANNON STREET - LONDON, E.C.4

Branch Offices: Manchester and Sheffield, England.
Melbourne and Sydney, Australia.

WHIFFEN & SONS

LIMITED

INCORPORATING

GEORGE ATKINSON & CO.

(Established 1654.)

BATTERSEA
S.W.11

Specialities :

ATROPINE
BROMIDES
CAMPHOR
CAFFEINE
EMETINE
IODIDES
MERCURIALS
NICOTINE
QUININE
STRYCHNINE
SALICIN
VERMILION
ESSENTIAL OILS
PRUNELLAS
ETC.

FULHAM
S.W.6

FINEST



QUALITY

TELEGRAMS:
WHIFFEN LONDON



TELEPHONE:
PUTNEY 3993 (3 lines)

TO WHOLESALE & EXPORT TRADES.

ESTABLISHED 1846.

Tinctures in Bond
Essential Oils
Resins



Green Extracts
Belladonna
Henbane

WILLIAM RANSOM & SON, LTD.

MANUFACTURING PHARMACEUTICAL CHEMISTS.
Distillers of Essential Oils and Cultivators of Medicinal Plants.
HITCHIN, near LONDON.

Telephone: 95 HITCHIN.

The Association of Manufacturing Chemists

For the Protection of the Drug, Chemical, Perfumery, Photographic, Optical, Soap and Allied Trades. LIMITED

Parkin S. Booth, Managing Director.

Head Office: KIMBERLEY HOUSE,

Phone: CITY 1261-2-3.

HOLBORN VIADUCT, LONDON, E.C.1.

Status Enquiries, Debt Recovery, Valuations, Transfers, Investigations,
Sales, Purchases, &c.

LIVERPOOL: 2, BIXTETH STREET.

Subscription: £2 2 0 per annum.

"MILK OF MAGNESIA". (Registered Trade Mark)

11/- & 22/- doz.
P.A.T.A.

In bottles, 1/3 & 2/6
Special Discounts on 6 and 12 doz. lots

11/- & 22/- doz.
P.A.T.A.

Proprietary Agencies Ltd.,
DISTRIBUTORS FOR

CHARLES H. PHILLIPS' CHEMICAL CO. 179/181 ACTON VALE, W.3
Telephone No. - - Chiswick 1559



SANTONIN

B.P.14, U.S.P.1X, J.P.1V

The ONLY SAFE RADICAL CURE for INTESTINAL WORMS in MAN, PIGS & DOGS

Recognised for nearly a century by the Medical and Veterinary Professions throughout the world.

THE CHEAPEST ANTHELMINTIC IN PRACTICE; ABSOLUTELY HARMLESS; 100% EFFECTIVE.

Official Medical literature shows that **Intestinal Worms** are far more prevalent in this country than is generally supposed.

Official Veterinary literature states that **Intestinal Worms** are the greatest enemies of young growing animals.

Santonin is the Ideal Anthelmintic; it displays a specific action on the worms and is absolutely harmless to the host. Beware

of secret concoctions which have no anthelmintic value but are highly toxic to the host.

There are now sufficient stocks of Santonin to meet all demands at prices which permit its free use even for persons of limited means. The high percentage of complete cures effected by small doses renders the cost of treatment practically negligible.

Ask for your Free Copy of our New Booklet:—

"WORMS IN DOGS AND THEIR TREATMENT"

It contains reliable up-to-date teachings of interest to every chemist.

THE EASTERN & RUSSIAN TRADING CO. Ltd.

26 FINSBURY SQUARE, LONDON, E.C.2

CABLES: Ertecosanto, London.

'PHONE: Clerkenwell 1638/9.

